JFT/JFT-S SERIES

RACKLESS CONVEYOR
FLIGHT TYPE
DISHMACHINE

Jackson®
Warewashing Systems

TECHNICAL MANUAL

FOR JACKSON MODEL(S):

JFT/JFT-S

ONE YEAR LIMITED PARTS & LABOR

MANUFACTURERS WARRANTY

ALL NEW JACKSON DISHWASHERS ARE WARRANTED TO THE ORIGINAL PURCHASER TO BE FREE FROM DEFECTS IN MATERIAL OR WORKMANSHIP UNDER NORMAL USE AND OPERATION FOR A PERIOD OF (1) ONE YEAR FROM DATE OF PURCHASE, BUT IN NO EVENT TO EXCEED (18) EIGHTEEN MONTHS FROM DATE OF SHIPMENT FROM THE FACTORY.

Jackson WWS agrees under this warranty to repair or replace, at its discretion, any original part which fails under normal use due to faulty material or workmanship during the warranty period, providing the equipment has been unaltered and has been properly installed, maintained and operated in accordance with applicable factory instruction manual furnished with the machine and failure is reported to the authorized service agency within the warranty period. This includes the use of factory specified genuine replacement parts, purchased directly from a Jackson authorized parts distributor or service agency. Use of generic replacement parts may create a hazard and void warranty certification.

The labor to repair or replace such failed part will be paid by Jackson WWS, within the continental United States, Hawaii and Canada, during the warranty period provided a Jackson WWS authorized service agency, or those having prior authorization from the factory, performs the service. Any repair work by persons other than Jackson WWS authorized service agency is the sole responsibility of the customer. Labor coverage is limited to regular hourly rates; overtime premiums and emergency service charges will not be paid by Jackson WWS.

Accessory components not installed by the factory carry a (1) one year parts warranty only. Accessory components such as table limit switches, pressure regulators, pre-rinse units, etc. that are shipped with the unit and installed at the site are included. Labor to repair or replace these components is not covered by Jackson WWS.

This warranty is void if failure is a direct result from shipping, handling, fire, water, accident, misuse, acts of God, attempted repair by authorized persons, improper installation, if serial number has been removed or altered, or if unit is used for purpose other than originally intended.

TRAVEL LIMITATIONS
Jackson WWS limits warranty travel time to (2) two hours and mileage to (100) one hundred miles. Jackson WWS will not pay for travel time and mileage that exceeds this, or any fees such as those for air or boat travel without prior authorization.

WARRANTY REGISTRATION
To register your product go to www.jacksonwws.com or call 1-888-800-5672. Failure to register your product will void the warranty.

REPLACEMENT PARTS WARRANTY
Jackson replacement parts are warranted for a period of 90 days from date of installation or 180 days from the date of shipment from the factory, whichever occurs first.

PRODUCT CHANGES AND UPDATES
Jackson WWS reserves the right to make changes in design and specification of any equipment as engineering or necessity requires.

THIS IS THE ENTIRE AND ONLY WARRANTY OF JACKSON WWS. JACKSON'S LIABILITY ON ANY CLAIM OF ANY KIND, INCLUDING NEGLIGENCE, WITH RESPECT TO THE GOODS OR SERVICES COVERED HEREUNDER, SHALL IN NO CASE EXCEED THE PRICE OF THE GOODS OR SERVICES OR PART THEREOF WHICH GIVES RISE TO THE CLAIM.

THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING FOR FITNESS OR MERCHANTABILITY, THAT ARE NOT SET FORTH HEREIN, OR THAT EXTEND BEYOND THE DURATION HEREOF. UNDER NO CIRCUMSTANCES WILL JACKSON WWS BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, OR FOR THE DAMAGES IN THE NATURE OF PENALTIES, ARISING OUT OF THE USE OR INABILITY TO USE ANY OF ITS PRODUCTS.

ITEMS NOT COVERED
THIS WARRANTY DOES NOT COVER CLEANING OR DELIMING OF THE UNIT OR ANY COMPONENT SUCH AS, BUT NOT LIMITED TO, WASH ARMS, RINSE ARMS OR STRAINERS AT ANYTIME. NOR DOES IT COVER ADJUSTMENTS SUCH AS, BUT NOT LIMITED TO, TIMER CAMS, THERMOSTATS OR DOORS, BEYOND 30 DAYS FROM THE DATE OF INSTALLATION. IN ADDITION, THE WARRANTY WILL ONLY COVER REPLACEMENT WEAR ITEMS SUCH AS CURTAINS, DRAIN BALLS, DOOR GUIDES OR GASKETS DURING THE FIRST 30 DAYS AFTER INSTALLATION. ALSO, NOT COVERED ARE CONDITIONS CAUSED BY THE USE OF INCORRECT (NON-COMMERICAL) GRADE DETERGENTS, INCORRECT WATER TEMPERATURE OR PRESSURE, OR HARD WATER CONDITIONS.

REVISION HISTORY

Revision Letter	Revision Date	Made By	Applicable ECNs	Details
C	04-30-04	CBW	N/A	Updated to new format; Added missing parts to steam booster assembly.
D	12-16-04	MAW	7144, 7143 7145, 7156	Added new tall door assembly parts. Added stop brackets to unloader stop assembly. Added keys and set screws for gears. Changed number for back strainer support. Changed drain handle number. Changed manifold, rinse arm and plumbing assemblies to reflect new design. Added the short door assemblies. Corrected number for switches on load end asm. Changed drawing for belt assembly. Added unload end assembly plumbing. Updated schematic to revsion B. Added 600V machines.
E	03-16-06	MAW	7316, 7176 7328, 7450 7197, 7263 7289, 7270 7331, 7343 7374	Added spacer gaskets. Replaced level control parts with swing arm sensor. Added final rinse arm assembly for no pump final rinse units. Added service numbers for motor assemblies. Added new screws for door guides. Added regulator to final rinse tank. Added dish stabilizer to blower box assembly. Changed drain connection from 3 to 2 inches. Added new final rinse tank assembly. Updated dimensions page.
58	12-18-06	CS	7889	Replace 45KW Booster heater with 27KW booster heater.
2, 3, 4	08-20-2007	MAW	N/A	Updated electrical requirements from 45 KW to 27 KW. Changed flowrate from 3.7 to 2.3 gpm.
35, 53, 55	09-13-2007	MAW	7836	Updated peg part number from 05700-002-63-88 to 05700-003-25-80. Added water pressure gauge to control box and parts list.
2 THRU 11	09-14-2007	MAW	N/A	Updated the specifications and added dimensions pages.
77, 75, 60, 82, 39	10-11-2007	MAW	7673, 7818, 7816, 7804, 7826, 7806	Updated heaters to 3Y. Replaced 4810-002-83-15 solenoid with 4820-011-87-39. Added Control box door brace and button guards. Added loader/unloader strainer weldment. Added sensor cover. Added slide stop lanyard assembly.
86-90, 113-116	12-14-2007	MAW	N/A	Updated schematic and added JFT-S 200V schematic.
91-112	01-01-2008	MAW	N/A	Updated schematics to include keyed switch option.
F	08-18-2009	ARL	090820-1316-CW	Updated p/n's for door spring assembly.
G	11-23-2010	RLC	QOF 386	Added CEC note to page 15
H	03-19-2013	RLC	QOF NDB-219	Updated manufacturer information.
I	02-10-14	MHH	QOF 386	Updated manufacturer warranty. Removed "Stop" page. Corrected P/N of conveyer belt return on pg. 35. (#s were correct; arrows were pointing at wrong parts)
J	12-16-14	KAP	N/A	Corrected P/N and Description on pg. 83 for #5 of Unload Section 18" Expansion Assembly.

REVISION HISTORY

Revision Letter	Revision Date	Made By	Applicable ECNs	Details
K	02-25-15	KAP	N/A	Updated 58 Gallon Electrical Requirements. Added 139 Gallon Electrical Requirements.
L	03-11-15	KAP	N/A	Updated P/N for item # 58 on pg. 69
M	3-25-15	KAP	N/A	Corrected drawing numbers on pg. 67.
N	4-15-15	KAP	N/A	Updated Schematics
P	09-14-15	KAP	N/A	Added Drain Quench Kit on pg. 105.
Q	11-09-15	JH	N/A	Corrected part numbers on pg. 45.

Jackson®
Warewashing Systems

JFT / JFT-S

JFT - Electrically-heated rackless conveyor dishmachine
JFT-S - Steam-heated rackless conveyor dishmachine

Model: _____

Serial No.: _____

Installation Date: _____

Service Rep. Name: _____

Phone Number: _____

Jackson WWS, Inc. provides technical support for all of the dishmachines detailed in this manual. We strongly recommend that you refer to this manual before making a call to our technical support staff. Please have this manual with you when you call so that our staff can refer you, if necessary, to the proper page. Technical support is not available on holidays. Contact technical support toll free at 1-888-800-5672.

Technical support is available for service personnel only.

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ELECTRICAL SCHEMATICS

JFT 208-230-460 Volt/50-60 Hz/3 Phase 106
JFT 600 Volt/60 Hz/3 Phase 110
JFT (Pumped Final Rinse) 208-230-460 Volt/50-60 Hz/3 Phase 114
JFT-S 208-230-460 Volt/50-60 Hz/3 Phase 118
JFT-S 600 Volt/60 Hz/3 Phase 122
JFT-S (Pumped Final Rinse) 208-230-460 Volt/50-60 Hz/3 Phase 126
JFT-S 200 Volt/50-60 Hz/3 Phase 130

Model Designation: JFT

Operating Capacity:

Dishes or Glasses per Hour (8.6FPM)	17,101
Dishes or Glasses per Hour (6.4FPM)	12,726

Tank Capacity (Gallons):

Prewash Tank	36
Wash Tank	36
Rinse Tank	36

Pump Capacity (GPM):

Prewash Tank	260
Wash Tank	260
Rinse Tank	230

Venting Requirements (CFM)(100% CAP.)

FPM (INDIRECT)	1200

Conveyor Speed (FPM) High End	8.6
Conveyor Speed (FPM) Low End	6.4

HOT WATER SANITIZING

Water Temperatures (Fahrenheit):

Prewash Temperature	140
Minimum Wash Temperature	152
Power Rinse Temperature	161
Final Rinse Temperature	180

Other Water Requirements:

Water Flow Pressure (PSIG)	20 ± 5
Flow Rate Minimum (GPM)	2.3

NOTE: Always refer to the machine data plate for specific electrical and water requirements. The material provided on this page is for reference only and is subject to change without notice.

ELECTRICAL REQUIREMENTS: JFT

NOTE: Typical Electrical Circuit is based upon (1) 125% of the full amperage load of the machine and (2) typical fixed-trip circuit breaker sizes as listed in the NEC 2002 Edition. Local codes may require more stringent protection than what is displayed here. Always verify with your electrical service contractor that your circuit protection is adequate and meets all applicable national and local codes. These numbers are provided in this manual simply for reference and may change without notice at any given time.

All electrical ratings provided in this manual are for reference only. Always refer to the machine data plate to get exact electrical information for this machine. All electrical work performed on machines should be done in accordance with applicable local, state, territorial and national codes. Work should only be performed by qualified electricians and authorized service agents.

Where applicable, heating element amperage draws have been adjusted for the assumed input voltage. Jackson assumes incoming voltages will be either 208 or 230 volts. Some heating elements used in the machines are rated for other voltages, such as 240 volts. Always verify the amperage draw of the machine in operation when sizing circuit protection.

The electrical configurations of the JFT series of machines are as follows:

WASH/PREWASH PUMP MOTOR (2)	3 HP
POWER RINSE PUMP MOTOR (1)	2 HP
FINAL RINSE PUMP MOTOR (1)	1/2 HP
DRIVE MOTOR (1)	1/4 HP
EXHAUST FAN MOTOR (1)	0.31 KW
BLOWER DRYER MOTOR (1)	2.1 KW

58 Gallon/Hr JFT - Electrical Requirements

CONTROLS, MOTORS, & BLOWER DRYER SECTION

VOLTS	PH	HZ	BLOWER HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	9KW	44	60 AMP
230	3	60	9KW	38	50AMP
460	3	60	9KW	19	25 AMP
600	3	60	9KW	16	20 AMP

CONTROLS, MOTORS, (NO BLOWER DRYER SECTION)

VOLTS	PH	HZ	BLOWER HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	N/A	12	15 AMP
230	3	60	N/A	11	15 AMP
460	3	60	N/A	6	15 AMP
600	3	60	N/A	5	15 AMP

FINAL RINSE & BOOSTER HEATER SECTION

VOLTS	PH	HZ	BOOSTER HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	18 KW	48	60 AMP
230	3	60	18 KW	42	60 AMP
460	3	60	18 KW	21	30 AMP
600	3	60	18 KW	18	25 AMP

WASH TANK SECTION

VOLTS	PH	HZ	WASH HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	24 KW	67	90 AMP
230	3	60	24 KW	56	70 AMP
460	3	60	24 KW	31	40 AMP
600	3	60	24 KW	26	35 AMP

POWER RINSE TANK SECTION

VOLTS	PH	HZ	POWER RINSE TANK HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	33 KW	92	115 AMP
230	3	60	33 KW	77	100 AMP
460	3	60	33 KW	40	50 AMP
600	3	60	33 KW	33	45 AMP

ELECTRICAL REQUIREMENTS: JFT

139 Gallon /Hr JFT - Electrical Requirements

CONTROLS, MOTORS, & BLOWER DRYER SECTION

VOLTS	PH	HZ	BLOWER HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	9KW	44	60 AMP
230	3	60	9KW	38	50AMP
460	3	60	9KW	19	25 AMP
600	3	60	9KW	16	20 AMP

CONTROLS, MOTORS, (NO BLOWER DRYER SECTION)

VOLTS	PH	HZ	BLOWER HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	N/A	12	15 AMP
230	3	60	N/A	11	15 AMP
460	3	60	N/A	6	15 AMP
600	3	60	N/A	5	15 AMP

FINAL RINSE & BOOSTER HEATER SECTION

VOLTS	PH	HZ	BOOSTER HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	36 KW	100	125 AMP
230	3	60	36 KW	83	110 AMP
460	3	60	36 KW	42	60 AMP
600	3	60	36 KW	35	50 AMP

WASH TANK SECTION

VOLTS	PH	HZ	WASH HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	24 KW	67	90 AMP
230	3	60	24 KW	56	70 AMP
460	3	60	24 KW	31	40 AMP
600	3	60	24 KW	26	35 AMP

POWER RINSE TANK SECTION

VOLTS	PH	HZ	POWER RINSE TANK HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	26 KW	73	100 AMP
230	3	60	26 KW	60	75 AMP
460	3	60	26 KW	33	50 AMP
600	3	60	26 KW	28	35 AMP

Model Designation: JFT-S

Operating Capacity:

Dishes or Glasses per Hour (8.6FPM)	17,101
Dishes or Glasses per Hour (6.4FPM)	12,726

Tank Capacity (Gallons):

Prewash Tank	36
Wash Tank	36
Rinse Tank	36

Pump Capacity (GPM):

Prewash Tank	260
Wash Tank	260
Rinse Tank	230

Venting Requirements (CFM)(100% CAP.)

FPM (INDIRECT)	1200

Conveyor Speed (FPM) High End	**8.6**
Conveyor Speed (FPM) Low End	**6.4**

HOT WATER SANITIZING

Water Temperatures (Fahrenheit):

Prewash Temperature	140
Minimum Wash Temperature	152
Power Rinse Temperature	161
Final Rinse Temperature	180

Other Water Requirements:

Water Flow Pressure (PSIG)	20 ± 5
Flow Rate Minimum (GPM)	2.3

STEAM BOOSTER REQUIREMENTS

Steam Input Rate (Minimum)	15 PSIG
Steam Input Rate (Maximum)	20 PSIG
Consumption @ 110°F Incoming Water Temp	145 lbs./hr.
Consumption WITH BLOWER DRYER	245 lbs./hr.

NOTE: Always refer to the machine data plate for specific electrical and water requirements. The material provided on this page is for reference only and is subject to change without notice.

ELECTRICAL REQUIREMENTS: JFT-S

The electrical configurations of the JFT-S series of machines are as follows:

WASH/PREWASH PUMP MOTOR (2)	3 HP
POWER RINSE PUMP MOTOR (1)	2 HP
FINAL RINSE PUMP MOTOR (1)	1/2 HP
DRIVE MOTOR (1)	1/4 HP
EXHAUST FAN MOTOR (1)	0.31 KW
BLOWER DRYER MOTOR (1)	2.1 KW

NOTE: Typical Electrical Circuit is based upon (1) 125% of the full amperage load of the machine and (2) typical fixed-trip circuit breaker sizes as listed in the NEC 2002 Edition. Local codes may require more stringent protection than what is displayed here. Always verify with your electrical service contractor that your circuit protection is adequate and meets all applicable national and local codes. These numbers are provided in this manual simply for reference and may change without notice at any given time.

CONTROLS, MOTORS, & BLOWER DRYER SECTION

VOLTS	PH	HZ	RINSE HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	N/A	22	30 AMP
230	3	60	N/A	22	30 AMP
460	3	60	N/A	11	15 AMP
600	3	60	N/A	10	15 AMP

CONTROLS, MOTORS, (NO BLOWER DRYER SECTION)

VOLTS	PH	HZ	RINSE HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	N/A	15	30 AMP
230	3	60	N/A	15	30 AMP
460	3	60	N/A	7	15 AMP
600	3	60	N/A	6	15 AMP

WASH/POWER RINSE SECTIONS (COMBINED)

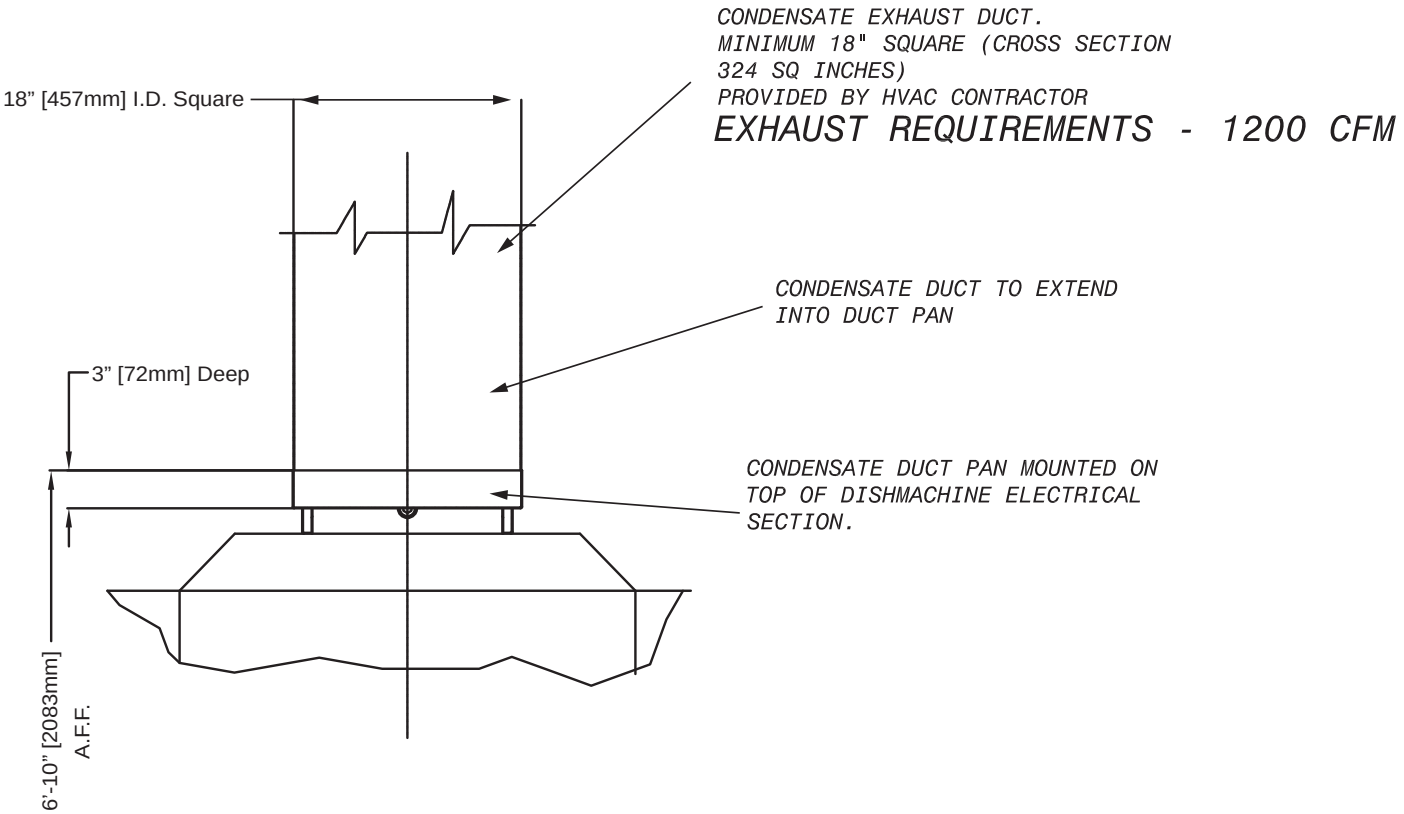
VOLTS	PH	HZ	RINSE HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	3	60	N/A	16	20 AMP
230	3	60	N/A	16	20 AMP
460	3	60	N/A	8	15 AMP
600	3	60	N/A	7	15 AMP

JFT L-R & R-L LEGEND:

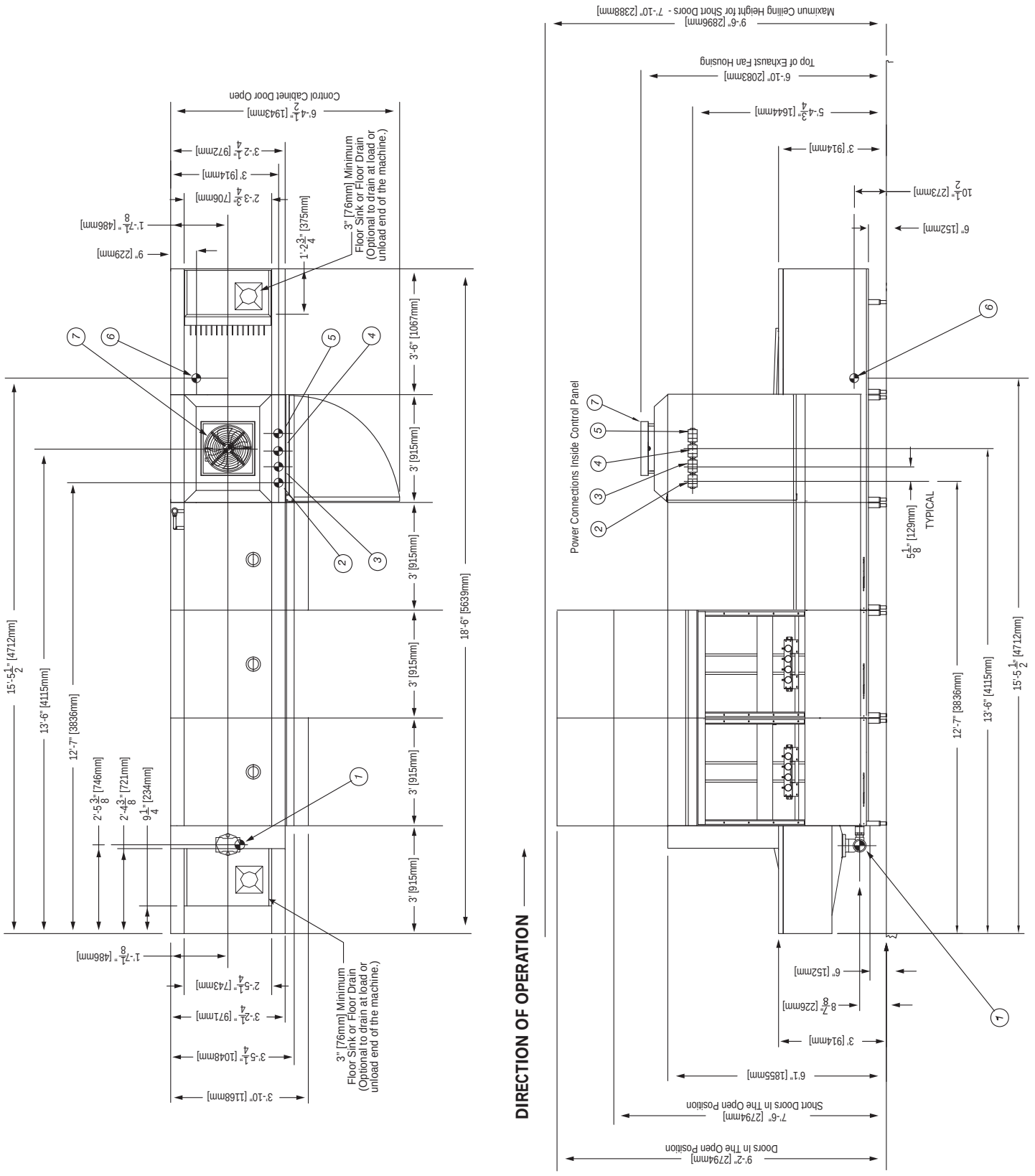
Legend 1. 1-1/2” NPT Machine Drain Connection
(floor drain - optional to either end)

2. Wash Tank Electrical Connection
3. Rinse Tank Electrical Connection
4. Booster Heater Electrical Connection
5. Motor Controls Electrical Connection
6. 3/4” NPT Incoming Water Connection
7. Condensate Connection - See Detail

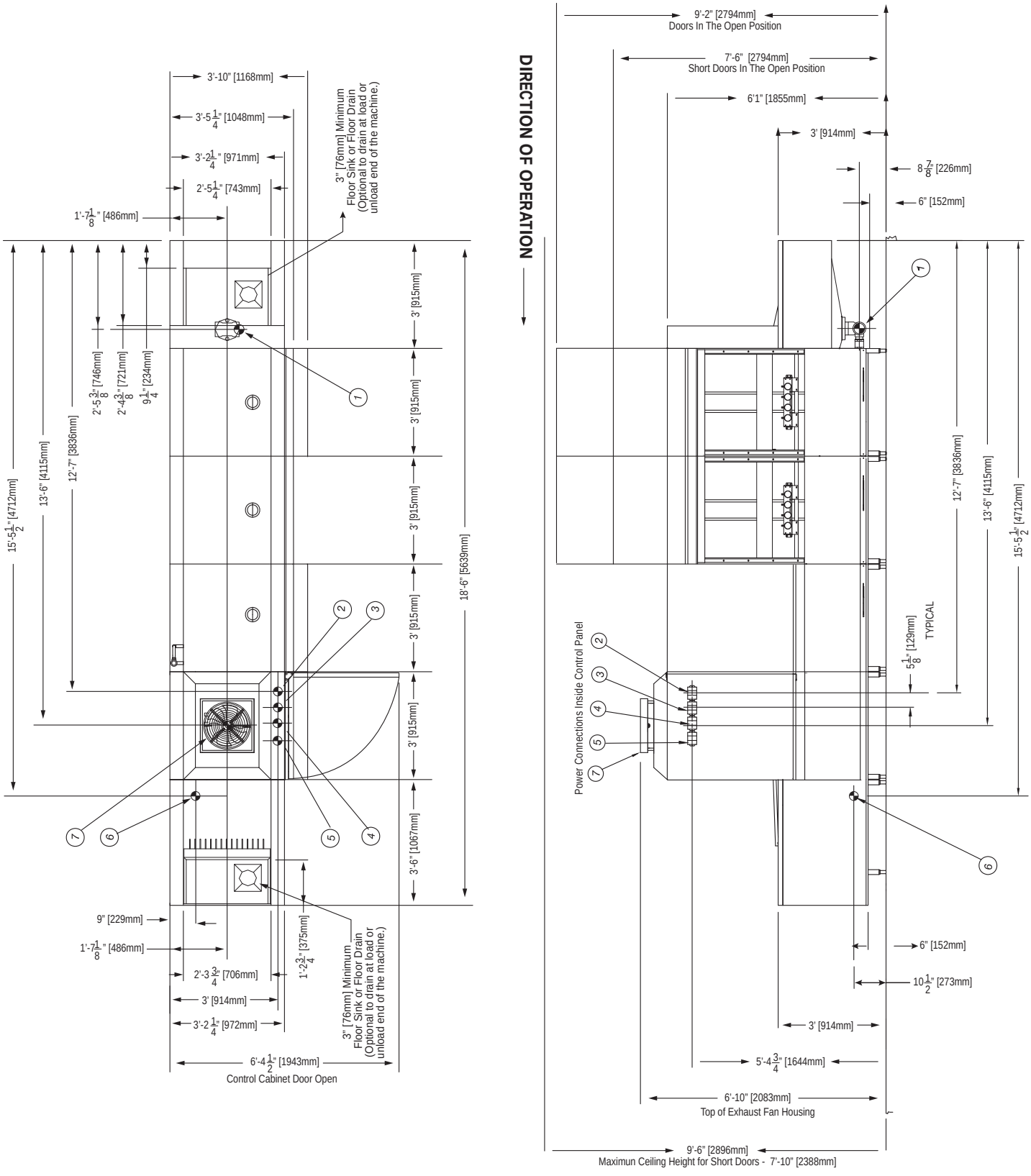
NOTE: The condensate removal system built into the dishmachine consists of a fan that will remove 1200 CFM. A single condensate connection must be provided by the installing contractor. This is an indirect connection that must be capable of removing the 1200 CFM from the area.



JFT LEFT - RIGHT DIMENSIONS



JFT RIGHT - LEFT DIMENSIONS



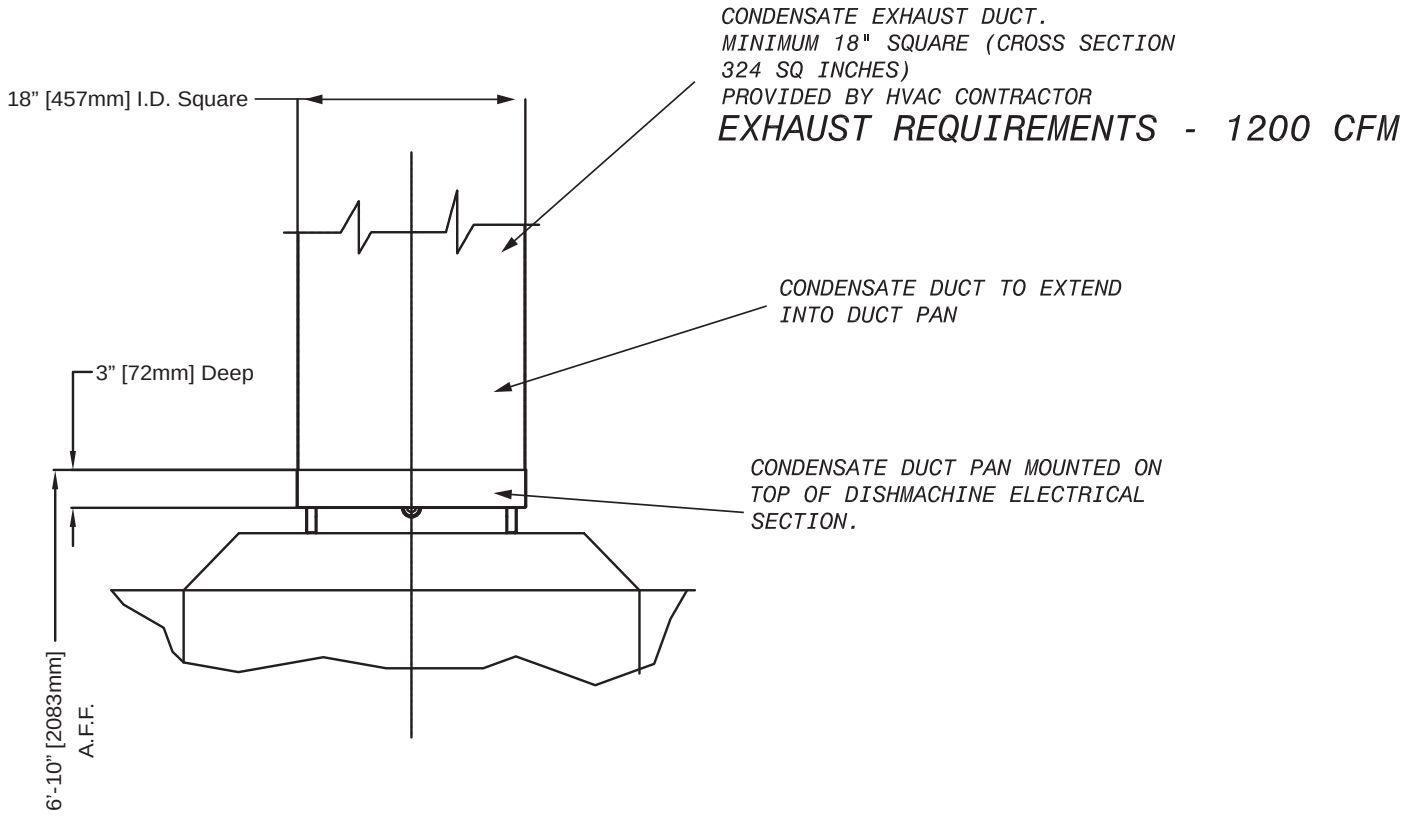
JFT-S EXHAUST FAN DIMENSIONS

JFT-S L-R & R-L LEGEND:

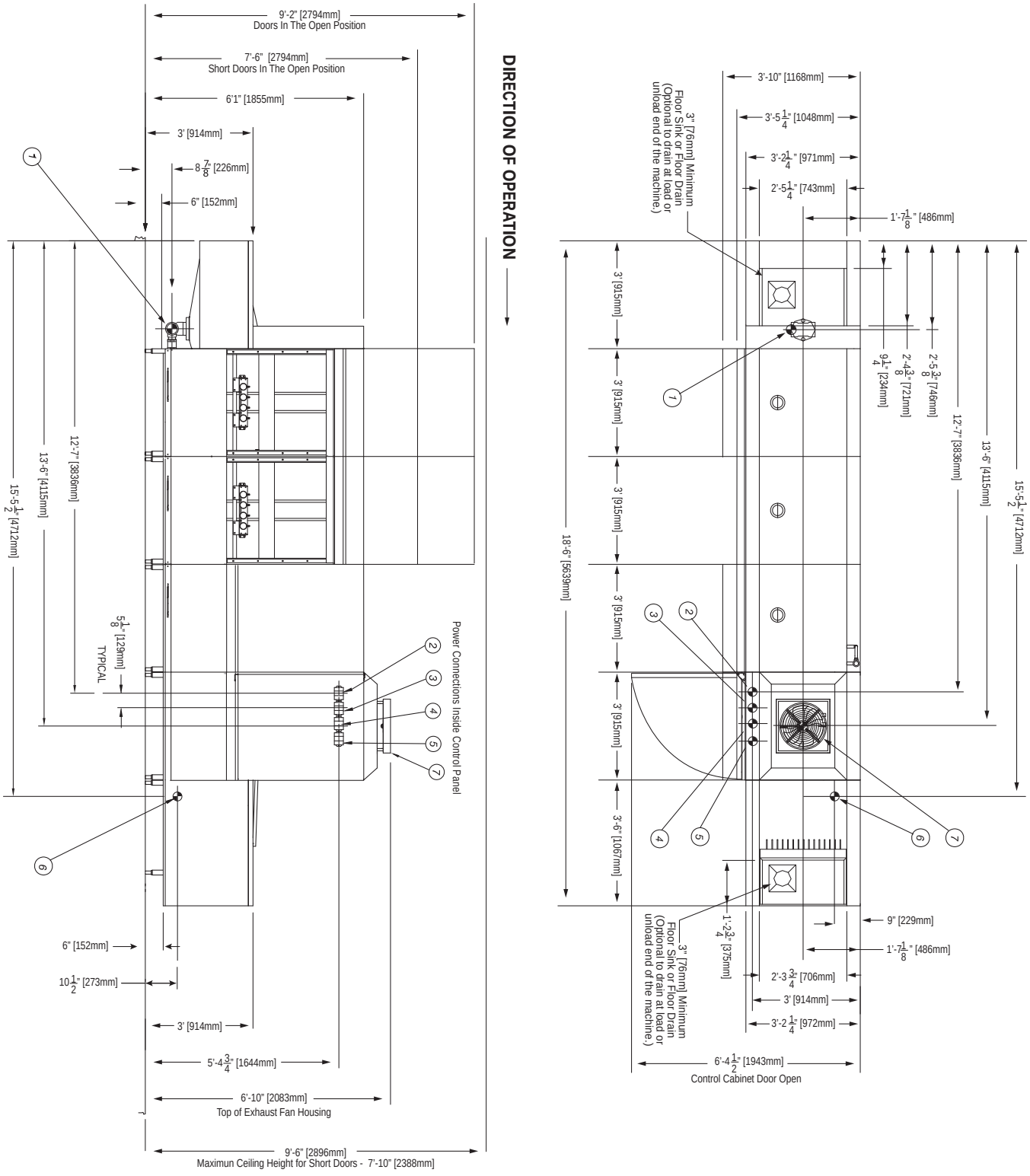
Legend

1. 1-1/2” NPT Machine Drain Connection (floor drain - optional to either end)
2. Electrical Connection
3. 3/4” NPT Incoming Water Connection
4. 1-1/2” NPT Steam Connection
5. 3/4” NPT Wash Section Condensate Return
6. 3/4” NPT Power Rinse Section Condensate Return
7. 3/4” NPT Booster Heater Condensate Return
8. Condensate Connection - See Detail

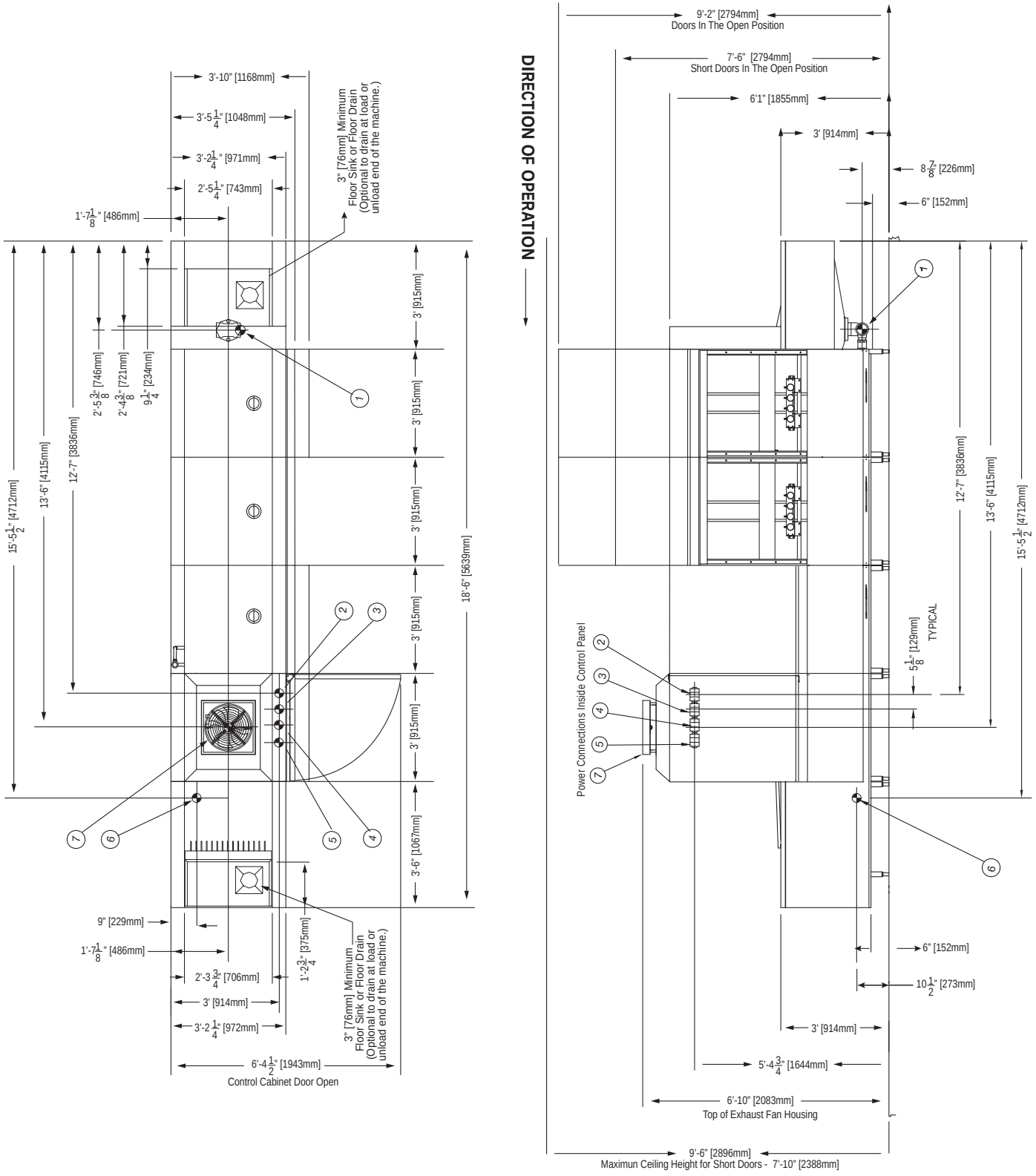
NOTE: The condensate removal system built into the dishmachine consists of a fan that will remove 1200 CFM. A single condensate connection must be provided by the installing contractor. This is an indirect connection that must be capable of removing the 1200 CFM from the area.



JFT-S LEFT - RIGHT DIMENSIONS



JFT-S RIGHT - LEFT DIMENSIONS



NOTE: All JFT models are accompanied by a certified Jackson technician for the initial installation. Many of the questions and problems that arise, as well as the proper procedures for installation, should be directed to this person.

VISUAL INSPECTION:

DO NOT THROW AWAY CONTAINER IF DAMAGE IS EVIDENT!

Before installing the unit, check the container and machine for damage. A damaged container is an indicator that there may be some damage to the machine. If there is damage to both the container and machine, do not throw away the container. The dishmachine has been inspected and packed at the factory and is expected to arrive to you in new, undamaged condition. However, rough handling by carriers or others may result in there being damage to the unit while in transit. If such a situation occurs, do not return the unit to Jackson; instead, contact the carrier and ask them to send a representative to the site to inspect the damage to the unit and to complete an inspection report.

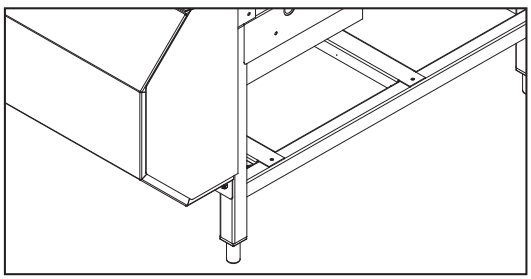
You must contact the carrier within 48 hours of receiving the machine.

UNPACKING THE MACHINE:

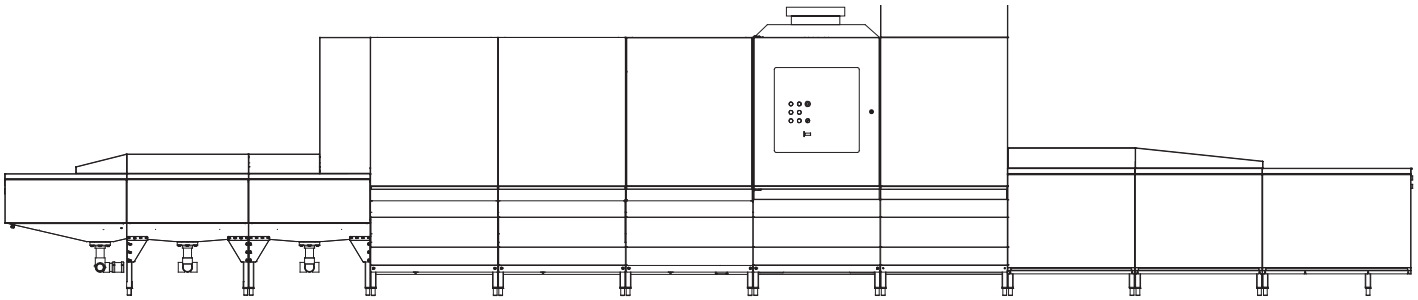
Your JFT model dishmachine will come packaged in several containers as each individual section is packed separately. Once the machine sections have been removed from the container, ensure that there are no missing parts from the machine. This may not be obvious at first. If it is discovered that an item is missing, contact Jackson immediately.

LEVEL THE DISHMACHINE:

The dishmachine is designed to operate while being level. This is important to prevent any damage to the machine during operation and to ensure the best results when washing ware. The unit comes with adjustable bullet feet, which can be turned using a pair of pliers or by hand if the unit can be raised safely. Ensure that the unit is level from side-to-side and from front-to-back before making any connections.



Bullet Foot



CONNECTION OF MACHINE COMPONETS:

The dishmachine will arrive in separate pieces for ease of installation. Silicone will have to be used between each section for sealing purposes before each is bolted together. Apply the sealant onto each surface to be connected together. Observe that the openings and bolt holes are covered with the sealant. When connecting the sections, use pins or spikes to center components before clamping the machine together. Once clamped, the sealant will be squeezed from all cracks where applied. The sections are now ready to have the hardware inserted into place.

DO NOT TIGHTEN THE HARDWARE AT THIS POINT!

Check that all sheet joints, bends, and—especially—guiding rails are properly aligned and if necessary, readjust at this point. After all connections are ready, tighten the hardware. Excess protruding sealant is to be removed with a plastic scraper. Once removed, smooth the sealant seam with the fingers and soapy water.

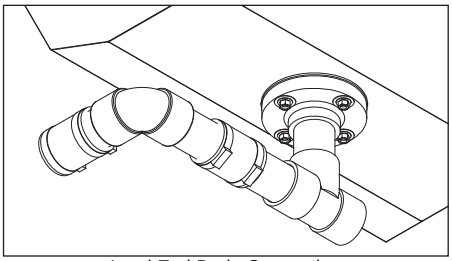
PLUMBING THE DISHMACHINE:

All plumbing connections must comply with all applicable local, state, and national plumbing codes. The plumber is responsible for ensuring that the incoming water line is thoroughly flushed prior to connecting it to any component of the dishmachine. It is necessary to remove all foreign debris from the water line that may potentially get trapped in the valves or cause an obstruction.

Any valves that are fouled as a result of foreign matter left in the water line, and any expenses resulting from this fouling, are not the responsibility of the manufacturer.

CONNECTING THE DRAIN LINE:

The drains for the models covered in this manual are gravity discharge drains. All piping from the 2” connection on the load section must be pitched (1/4” per foot) to the floor or sink drain. All piping from the machine to the drain must be a minimum 3” N.P.T. and must not be reduced. There must also be an air gap between the machine drain line and the floor sink or drain. If a grease trap is required by code, it should have a flow capacity of 30 gallons per minute.



Load End Drain Connection

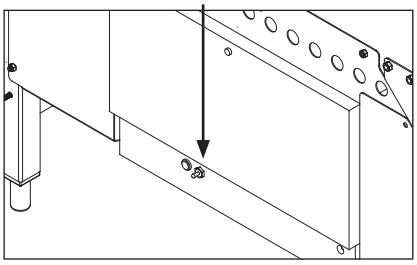
WATER SUPPLY CONNECTION:

Ensure that you have read the section entitled “PLUMBING THE DISHMACHINE” above before proceeding. Install the water supply line (3/4” pipe size minimum) to the dishmachine line strainer using copper pipe. It is recommended that a water shut-off valve be installed in the water line between the main supply and the machine to allow access for service.The water supply line is to be capable of 20A5 PSI “flow” pressure at the recommended temperature indicated on the data plate.

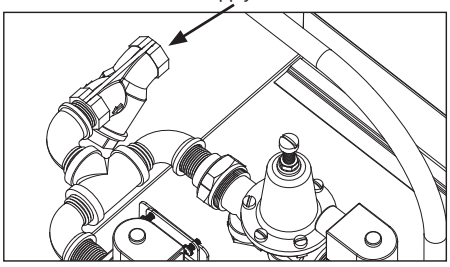
NOTE: Units equipped with electric final rinse boosters should have the power switch for the booster inspected to ensure it is in the ON position.

THE BOOSTER WILL NOT WORK UNLESS THIS IS <u>ON.</u>

Final Rinse Booster Power Switch



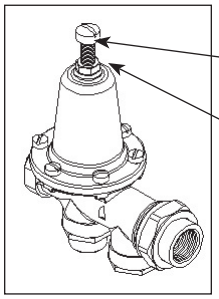
3/4” Water Supply Connection



PRESSURE REGULATOR:

In areas where the water pressure fluctuates or is greater than the recommended pressure, it is suggested that a water pressure regulator be installed. The models covered in this manual do come with water pressure regulators as standard equipment. Please notify Jackson immediately if this component is not present on your machine.

If the water level is too low or too high, check the incoming water pressure. It should be 20 A 5 PSI. Too high of pressure results in too much water; too low of pressure results in too little water. To adjust the regulator, loosen the nut at the top, this will allow you to screw or unscrew the adjustment. With a screwdriver, turn the adjuster clockwise to increase pressure or counter-clockwise to decrease it.



Water Pressure Regulator

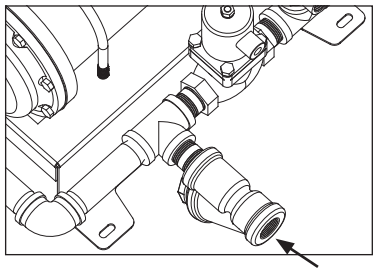
Do not confuse static pressure with flow pressure. Static pressure is the line pressure in a “no flow” condition (all valves and services are closed). Flow pressure is the pressure in the fill line when the fill valve is opened during the cycle.

SHOCK ABSORBER:

It is also recommended that a shock absorber (not supplied) be installed in the incoming water line. This prevents line hammer (hydraulic shock), induced by the solenoid valve as it operates, from causing damage to the equipment.

STEAM LINE CONNECTIONS (JFT-S ONLY):

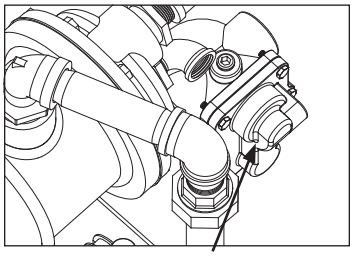
The JFT-S is designed to use low-pressure steam as a source of heat for the water. The machines come with lines by which the source steam needs to be connected. The inlet steam is connected to the machine via a 1" FNPT Y-Strainer located underneath the Electrical Section. The 1" steam supply line is to be capable of 20A5 PSI. Connect all steam lines to the machine as all applicable codes provide. See machine data plate for information concerning steam flow pressure.



Steam Line Connection Y-strainer

STEAM TRAP CONNECTIONS:

There are steam traps provided on the discharge side of all steam heating devices. A typical unit will have traps on the following: wash section heating coil outlet, power rinse section heating coil outlet, rinse booster heater outlet, and an optional blower dryer section heating coil outlet. All steam traps can be seen by removing all of the above mentioned sections lower dress panels. The steam traps are 3/4" FNPT and should be plumbed together to provide condensate return to the building's boiler system.



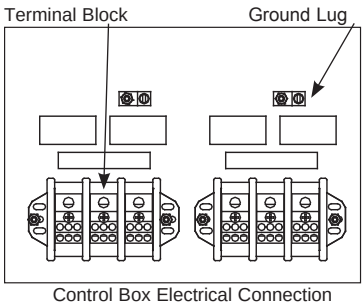
Steam Trap

PLUMBING CHECK:

Slowly turn on the water supply to the machine after the incoming fill line and the drain line have been installed. Check for any leaks and repair as required. All leaks must be repaired prior to placing the machine in operation.

ELECTRICAL POWER CONNECTION:

WARNING: Disconnect electrical power supply and place a tag at the disconnect switch to indicate that you are working on the circuit.



Control Box Electrical Connection

Electrical and grounding connections must comply with the applicable portions of the National Electrical Code ANSI/NFPA 70 (latest edition) and/or other electrical codes (e.g. Canadian Electrical Code (CEC), Part 1, CSA). Refer to the data plate for machine operating requirements, machine voltage, total amperage load and serial number.To install the incoming power lines, open the control box. Install conduit into the pre-punched holes in the top of the control box. Route power wires and connect to power block and grounding lug. Tighten the connections. It is recommended that "DE-OX" or another similar anti-oxidation agent be used on all power connections.

Please note that the individual sections require separate incoming power supplies and services. Refer to the machine data plate for information related to service circuit sizing. Ensure that services are labeled correctly. Ensure that service is sized correctly according to applicable local, state, and national codes. Always refer to the machine data plate to get the total amperage load for each section.

VOLTAGE CHECK:

Ensure that the power switch is in the OFF position and apply power to the dishmachine. Check the incoming power at the terminal block and ensure it corresponds to the voltage listed on the data plate. If not, contact a qualified service agency to examine the problem. Do not run the dishmachine if the voltage is too high or too low. Shut off the service breaker(s) and mark as being for the dishmachine. Advise all proper personnel of any problems and of the location of the service breaker. Close and lock the control box cover until authorized technicians can look at the problem and determine an appropriate solution.

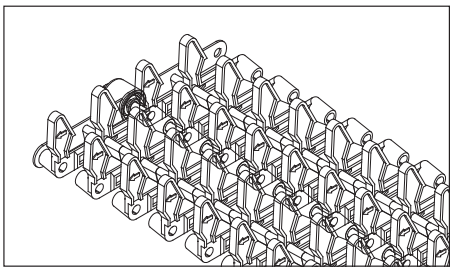
The protective measures must be executed according to the conditions of the local power utilities. All electrical cable connections are to be provided with marked cables screwed in the electrical switch cabinet, according to the wiring diagram and to be connected to the respective terminals and contactors.
Please check the electrical tension.

a. Check all motors for sense of direction.
b. Retighten all terminal fixing screws before the setting in operation.

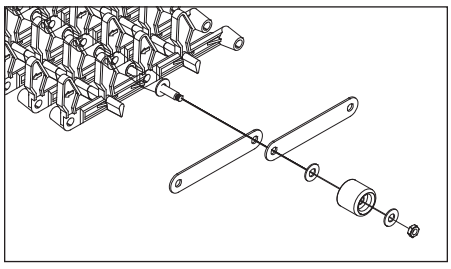
INSTALLATION OF THE MACHINE'S TRANSPORT BELT:

WARNING: Pay attention to the cross-struts of the machine. Be careful to not place fingers through the belt! Your hand could be injured.

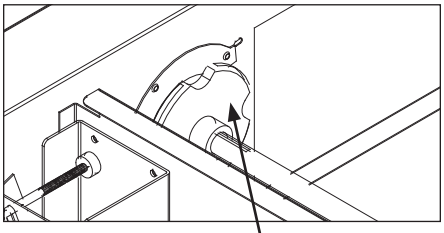
The transport belt is provided in sections of approximately 12 feet. One end of each section will have the belt rod inserted and the opposing end will have the belt fingers hanging down. To install the belt, stand at the load end section of the dishmachine. Remove the end cap from one of the rods. Take the belt rod end of one 12 foot section and place on the top guide rails at the load end. Ensure that the fingers are pointing upward. Push the section into the machine until the loose finger end is approximately one foot from the entrance of the machine. The next 12 foot section of the transport belt can then be placed at the load end. Temporarily remove the belt rod and interlace the fingers of the two belt sections to conform with the arrangement of all belt fingers. Please refer to the diagram to see the order in which the provided washers, wheels, locknuts, and plate connectors are arranged for proper operation. Continue this process of pulling sections through and connecting sections until the belt is completely installed. NOTE: Take care that the belt wheels are guided correctly at the unload section and fall within the depressions on the drive wheels (please refer to the page entitled "Unload End Assembly"). The wheels must be placed on top of the lower belt rails before continuing the process. When the lead end of the transport belt returns back to the load end of the machine, ensure that it will overlap the last section of the belt added. Remove as many rod sections of either end necessary to make the connection between both ends.



Transportation Belt



Transportation Belt Hardware



Unload End Assembly - Drive Wheel

The dishmachine has two transport speeds. The transport speed can be adjusted during operation from low to high or vice-versa by adjusting the conveyor speed switch located on the electrical cabinet.

BELT TENSION:

It must be possible to lift up the belt in the section of the free feeding or discharge zone by approximately 2” to 4”. The tension station can be adjusted by loosening the three bolts on each of the two slotted adjusting plates. Pull each plate back until all wheels along the plate's perimeter are firmly touching. Tighten the bolts. Visually inspect the belt for parallelism and ensure the plates are evenly tightened by measuring their distance from the runoff sheet or the end plate. Check tension by pulling the belt off of the top rails by hand. There should be no greater than a 4” separation. If there is, loosen the slotted adjusting plates, remove one rod section of the belt and repeat the tensioning process.

INSTALLATION OF DRIVE MOTOR CHAIN:

Install chain around large gear. Lift gear motor from bottom to apply tension to drive springs. Install chain over small gear and release gear motor. Drive springs will automatically tighten chain to its proper tension.

VENTILATION OF DISHMACHINE:

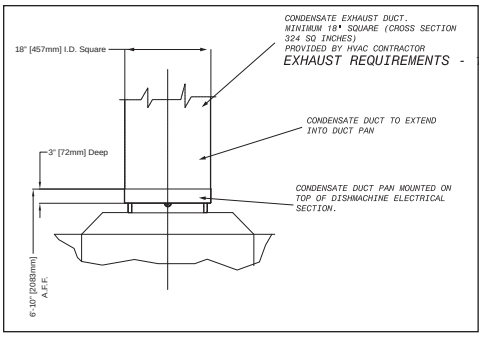
The dishmachine should be located with provisions for venting into an adequate exhaust hood or ventilation system. This is essential to permit efficient removal of the condensation exhaust. Ensure that the exhaust system is acceptable in accordance with all applicable codes and standards.

NOTE: Damage caused by steam or moisture due to improper ventilation is NOT covered under the warranty.

The units covered in this manual have the following exhaust requirements:

FPM (INDIRECT) 1200

The exhaust system must be sized to handle this volume for the dishmachine to operate as it was designed.

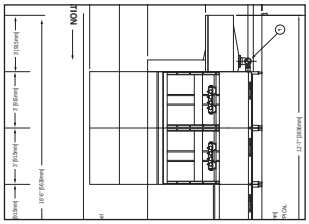

CONDENSATE EXHAUST DUCT. MINIMUM 18* SQUARE (CROSS SECTION 324 SQ INCHES) PROVIDED BY HVAC CONTRACTOR
EXHAUST REQUIREMENTS -
18" [457mm] I.D. Square
CONDENSATE DUCT TO EXTEND INTO DUCT PAN
3" [72mm] Deep
CONDENSATE DUCT PAN MOUNTED ON TOP OF DISHMACHINE ELECTRICAL SECTION.
6'-10" [2083mm] A.F.F.

ELECTRIC HEAT:

The thermostats are factory set.
They should not be adjusted except by an authorized service agent.

CONNECTION FOR THE DETERGENT SUPPLIER:

The detergent connection point is at the rear of the wash section on the machine. Chemical feeder equipment must not be mounted inside the main control box. Contact your local chemical distributor for more information regarding chemical feeders.



Detergent Connection

DELIMING OPERATIONS

In order to maintain the dishmachine at its optimum performance level, it will be required to remove lime and corrosion deposits on a frequent basis. A deliming solution should be available from your detergent supplier. Read and follow all instructions on the label of the deliming solution.

To proceed with the deliming operation, fill the dishmachine and add the correct amount of deliming solution as recommended by the deliming solution manufacturer. The water capacity of the various tanks of the dishmachine can be verified on the specification pages of this manual.

Perform the following operations to delime the dishmachine:

1. Turn the machine on.

2. Disconnect or turn off all chemical feeder pumps.

3. Close all doors (after adding the deliming solution).

4. Run the machine for the recommended period of time.

5. Turn the unit off and open the doors.

6. Wait five minutes, then inspect the inside of the machine. If the machine is not delimed, run another time cycle as per the deliming solution's instructions.

7. When clean, drain and re-fill the machine.

8. Run in MANUAL for 10 minutes to remove residual deliming solution.

9. Drain and re-fill the machine.

DELIMING THE ELECTRIC BOOSTER HEATER:

In order to maintain the electric booster heater at its optimum performance level, it will be required to remove lime and corrosion deposits on a frequent basis. To delime, please refer to the instruction manual that came with your particular electric booster heater. A deliming solution should be available from your detergent supplier. Read and follow all instructions on the label of the deliming solution.

DETERGENT CONTROL:

Detergent usage and water hardness are two factors that contribute greatly to how efficiently your dishmachine will operate. Using detergent in the proper amount can become, in time, a source of substantial savings. A qualified water treatment specialist can tell you what is needed for maximum efficiency from your detergent, but you should still know some basics so you'll understand what they are talking about.

First, you must understand that hard water greatly effects the performance of the dishmachine. Water hardness is the amount of dissolved calcium and magnesium in the water supply. The more dissolved solids in the water, the greater the water hardness. Hard water works against detergent, thereby causing the amount of detergent required for washing to increase. As you use more detergent, your costs for operating the dishmachine will increase and the results will decrease. The solids in hard water also may build-up as a scale on wash and rinse heaters, decreasing their ability to heat water. Water temperature is important in removing soil and sanitizing dishes. If the water cannot get hot enough, your results may not be satisfactory. This is why Jackson recommends that if you have installed the machine in an area with hard water, that you also install some type of water treatment equipment to help remove the dissolved solids from the water before it gets to the dishmachine.

Second, hard water may have you adding drying agents to your operating cycle to prevent spotting, when the real problem is deposited solids on your ware. As the water evaporates off of the ware, the solids will be left behind to form the spotting and no amount of drying agent will prevent this. Again, using treated water will undoubtedly reduce the occurrences of this problem.

Third, treated water may not be suitable for use in other areas of your operation. For instance, coffee made with soft water may have an acid or bitter flavor. It may only be feasible to install a small treatment unit for the water going into the dishmachine itself. Discuss this option with your qualified water treatment specialist.

Even after the water hardness problems have been solved, there still must be proper training of dishmachine operators in how much detergent is to be used per cycle. Talk with your water treatment specialist and detergent vendor and come up with a complete training program for operators. Using too much detergent has as many detrimental effects as using too little. The proper amount of detergent must be used for job. It is important to remember that certain menu items may require extra detergent by their nature and personnel need to be made aware of this. Experience in using the dishmachine under a variety of conditions, along with good training in the operation of the machine, can go a long way in ensuring your dishmachine operates as efficiently as possible.

Certain dishmachine models require that chemicals be provided for proper operation and sanitization. Some models even require the installation of third-party chemical feeders to introduce those chemicals to the machine. Jackson does not recommend or endorse any brand name of chemicals or chemical dispensing equipment. Contact your local chemical distributor for questions concerning these subjects.

Some dishmachines come equipped with integral solid detergent dispensers. These dispensers are designed to accommodate detergents in a certain-sized container. If you have such a unit, remember to explain this to your chemical distributor upon first contacting them.

As explained before, water temperature is an important factor in ensuring that your dishmachine functions properly. The data plate located on each unit details what the minimum temperatures must be for the incoming water supply, the wash tank, and the rinse tank, depending on what model of dishmachine you have installed. These temperatures may also be followed by temperatures that Jackson recommends to ensure the highest performance from you dishmachine. However, if the minimum requirements are not met, the chances are your dishes will not be clean or sanitized. Remember, a dish can look clean, but it may not be sanitized. Instruct your dishmachine operators to observe the required temperatures and to report when they fall below the minimum allowed. A loss of temperature can indicate a much larger problem such as a failed heater or it could also indicate that the hot water heater for your operation is not up to capacity and a larger one may need to be installed.

There are several factors to consider when installing your dishmachine to ensure you get the best possible results and that it operates at peak efficiency for many years. Discuss your concerns with your local chemical distributor and water treatment specialist before there is a problem.

Before the first start-up of the machine, check that all tools, cleaning rags, and all foreign parts are removed from the operation areas of the machine.

PREPARATION:

Before proceeding with the start-up of the unit, verify the following:

1. Ensure wash arms, rinse arms, pump suction strainers, pan strainers, and curtains are all installed correctly.
2. Close all doors on dishmachine.
3. Close the drain valve(s).
4. Open the main stop valves for water.
5. Pull out all Emergency Stop Switches. Switch on the main switch at the control panel.

POWER UP:

To energize the unit, turn on the power at the service breakers. The voltage should have been previously verified as being correct. If not, the voltage will have to be verified.

For electrical booster operation, ensure that the electric booster heater's power switch is in the "ON" position. Can be seen when electrical section's lower dress panel is removed. Check that the power light is illuminated.

For steam booster heater operation, ensure switch below front control door is in the "ON" position. The light beside of the switch should be illuminated to indicate "ON" and the light beside of the steam guage will turn on and off depending on whether steam is cycling to the booster.

WARE PREPARATION:

Proper preparation of ware will help ensure good results and fewer re-washes. If not done properly, ware may not come out clean and the efficiency of the dishmachine will be reduced. It is important to remember that a dishmachine is not a garbage disposal and that simply throwing unscraped dishes into the machine defeats the purpose of washing the ware. Scraps should be removed from ware prior to being loaded into a rack. Pre-rinsing and pre-soaking are good ideas, especially for silverware and casserole dishes. Place cups and glasses upside-down in the track so that they do not hold water during the cycle. The dishmachine is meant not only to clean, but to sanitize as well. In order to do this, ware must be properly prepared prior to being placed in the machine.

FILLING THE WASH TUB:

Close all doors. Press the white “On Fill/Heat” button. As soon as the green indication lamp “Tank Filled” lights up, the filling and heating cycle is complete and the machine is ready for operation. The operation cycle can begin. Press the green “Start” button at the switch cabinet door or press the green “Start” button at the feeding or discharge ends. Now the transport belt can be loaded with dishes in the feeding section.

Two transport speeds can be selected. During operation, the transport speed can be changed from low to high or vice-versa. Transport speed “low” moves slower through the machine, which is more suitable for heavily-soiled dishware. Transport speed “high” moves quicker though the machine, which is more suitable for lightly-soiled dishware. The transport speed must be selected according to the soiling of the dishware, the belt load, and the washing results.

BREAK SWITCHING:

By means of the red “Stop” button (located on the electrical control box and at each end of the machine), the operation cycle is temporarily interrupted (i.e. the wash pumps and transport are switched off); however, the tank heatings continue running. Press the black push button “Off Fill/Heat” at the switch cabinet door. The green indication lamp “Tank Filled” continues lighting, as the machine is still ready for operation. The operation cycle is only temporarily interrupted and remains ready for operation. The machine is in stand-by operation and can start operation at any time. After an interruption of operation, you can continue the wash cycle by pressing the white “On Fill/Heat” button. Press the white “On Fill/Heat” button at the switch cabinet door or the feeding or discharge end to continue washing.

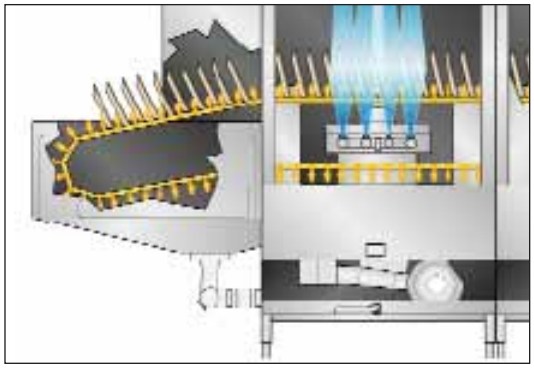
DAILY MACHINE PREPARATION:

Refer to the section entitled “PREPARATION” and follow the instructions there. Afterward, check that all of the chemical levels are correct and/or that there is plenty of detergent available for the expected workload.

WASHING WARE:

WARNING: It is important to let operating personnel know that ware that comes out of the JFT dishmachines will be hot and appropriate measures should be taken to ensure that personnel are not harmed.

To wash, simply place ware on the track at the load end of the machine. Glasses should be placed upside-down and plates should have the eating side facing the unload end. Silverware and utensils should be placed in appropriate baskets/racks for transport through the unit.



Cut-a-way detail showing direction of plates.

OPERATIONAL INSPECTION:

Do not spray the machine, electrical cabinets, or other electrical parts with a water hose or high-pressure hose.

Based upon usage, the strainers may become clogged with soil and debris as the workday progresses. Operators should regularly inspect the strainers to ensure they have not become clogged. If the strainers are clogged, they will reduce the washing capability of the machine. Instruct operators to clean out the strainers at regular intervals or as required by work load.

WARNING: Just after the draining of the dishmachine, the tank heater elements will still be HOT, creating the danger of burns during the manual cleaning of the dishmachine.

SHUTDOWN AND CLEANING:

At the end of the workday, push the black “Off Fill/Heat” button. Open the door(s). Open the drain valves and allow the machine to drain completely. Remove all pan strainers, run off sheets and scrap basket strainer. Remove the wash, prewash arms and the rinse arms and verify that the nozzles and arms are free from obstructions. Flush the arms with fresh water. Remove the pump suction strainers and clean out as required. Remove the rinse tray assembly and clean. Remove the curtains and scrub with a mild detergent and warm water. When replacing the curtains, please note proper locations for re-installation. Wipe-out the inside of the unit and then reassemble with the components previously removed.

PREVENTATIVE MAINTENANCE

Preventative maintenance should only be performed by authorized service personnel. If you have questions about who is authorized then please contact Jackson Technical Service. Maintenance performed by unauthorized personnel can void a warranty.

Note: No maintenance should be performed during normal operation of the machine. Maintenance personnel responsible for performing any sort of preventative maintenance need to schedule their checks when the machine is not in use. Unauthorized personnel should not be operating or attempting to operate the machine during any maintenance function!

PRE-SCRAPPING/ STRAINERS:

The concept of preventative maintenance is to perform small checks and procedures that will limit the catastrophic failures your dishmachine will experience. By catastrophic failure, it is meant anything that will keep you from using your machine for an extended period of time. Dishmachines, regardless of size, are very simple machines and do not require very much in the way of preventative maintenance. Listed here are some items that the manufacturer recommends in order to prolong the life of your machine.

PRE-SCRAPPING:

It cannot be stressed enough that in order for the machine to work at peak efficiency, the introduction of food and soil must be limited. Though the JFT is a large machine, it is not a garbage disposal, and it contains several parts that have very small openings. These openings can become clogged very quickly if large food particles are introduced to the machine. Train operating personnel in proper scrapping techniques. This includes scraping excess food from plates and bowls and removing straws from glasses.

Some ware may require soaking before being placed in the machine, especially silverware. Soaking helps loosen stuck-on food particles and aids the dishmachine in removing such soil. You can discuss soak sink options with your Jackson authorized dealer if you wish.

STRAINERS:

Dishmachines should be cleaned at least daily and one of the most important aspects of this task is the removal, cleaning, and REPLACEMENT of the various strainers located throughout the machine. Strainers are added to try and prevent any debris from getting inside the pumps or in the arms of the dishmachine. Both the pumps and the arms have very close tolerances manufactured into their design in order to deliver optimum performance.

There are generally three problems associated with strainers:

1. Not removed for cleaning. Many operators are simply unaware that the strainers can be and should be removed for cleaning. How often this should be done is really based upon the usage of the machine and is generally something that can be determined with experience. It is important, however, to not only tell the operators about the strainers, but to show them where they are at and remind them that they should be cleaned regularly.

2. Damaged strainers. Often times the first impulse for cleaning strainers is to take them and beat them on the side of a garbage can. Unfortunately, the strainers for the JFT are made from stainless steel and delivering such blows to them will eventually warp them. A warped strainer does not sit flush and creates gaps that debris and soil can get through. The proper method of cleaning a strainer is to wipe it out and them rinse it under a water faucet to get any debris out. Remember that it is much easier and inexpensive to clean out a strainer than it is to replace a pump!

STRAINERS: (CONT)

3. Missing strainers. It is easy to forget to put the strainers back after you have removed them, so it is important to train operating personnel on the importance of putting everything back when you are finished. If the strainer was not important, it would never have been incorporated into the machine design. Strainers are implemented to prevent failure of the more expensive components of the dishmachine (i.e. pumps) and should always be replaced before operating the machine. Jackson strongly recommends that you do not operate the machine without the strainers as doing so may not only allow damage to occur to your machine, but it could also void your warranty. Train personnel to report whenever a strainer is missing or damaged so that replacements can be ordered immediately.

DAILY MAINTENANCE:

The following is a suggested schedule for a basic preventative maintenance program:

1. Drain and clean the dishmachine as per the cleaning instructions supplied with this manual. During cleaning, any items that may appear to be broken or failed should be reported to authorized service personnel.

WEEKLY MAINTENANCE:

1. Delime the machine. NOTE: The deliming agent that you may use may require more or less frequency in application. Because water conditions vary from installation to installation, it may be necessary to delime the machine more often or perhaps even less. Follow the deliming agent manufacturer's instructions regarding frequency of application and adjust the maintenance schedule as required.

2. Verify there are no leaks. This includes inspecting the integrity of all gaskets, including the ones inside the machine, as well as ensuring that none of the silicone used between the individual sections has frayed or been removed. Any torn gaskets should be immediately replaced. Re-apply silicone as required. The machine should be completely turned off and drained for this procedure so that gaskets in the lower parts of the tub(s) can be examined.

3. Verify the operation of the Emergency Stop Switches. Simply start the unit with all personnel standing clear and push an Emergency Stop Switch to verify that it stops the machine. Do this for each switch. NOTE: The Emergency Stop Switch stops the conveyor belt and the pumps, but the heaters will remain on. If the Emergency Stop Switch fails to halt the machine, then the wiring to the switch should be verified. If, according to the schematic, the switch is wired correctly, then it is most likely faulty and should be replaced. Immediately inform operating personnel of the defect and instruct them as to where other Emergency Stop Switches are as well as the main stop switch on the front control panel.

4. Verify the operation of the door switches. Start the unit with all personnel standing clear and open each door one at a time to verify that the unit will shut off. Do this for all prewash, wash, and power rinse doors. You should not have to lift the door more than 6 inches to achieve the desired result. Be very careful as hot water may spray out from the bottom of the door. NOTE: The door interlock switches stop the conveyor belt and the pumps, but the heaters remain on.

WEEKLY MAINTENANCE: (CONT)

5. Verify that the prewash, wash, and power rinse doors open all of the way.

6. Verify the conveyor belt tension as per the instructions given in the "INSTALLATION" section of this manual.

7. Verify the operation of the temperature display. Operate the unit normally and ensure that the display cycles as it is supposed to, through each required parameter. If it does not cycle or it appears that it is not reading the temperature, it must be replaced.

8. Verify the operation of all green start switches and red stop switches. With the unit energized, depress the start switch as the control box and allow the unit to start. After approximately sixty seconds, press the stop switch. The unit should stop. Verify that the lights in the switches are working as well. Any problems should be investigated immediately to see if components need to be replaced. Perform this check on the switches located at the load and unload ends as well.

9. Verify drive motor stop switch and slide stop switches.

MONTHLY MAINTENANCE:

1. Inspect the gear drive gears for missing or damaged teeth. If there has been any sort of damage, the gear should be replaced immediately.

2. Inspect seals used in final rinse arms to ensure they are in good condition. Any that have nicks, tears, or are missing should be replaced.

3. Inspect the conveyor drive belt for damaged or missing pegs. Any that are suspect should be replaced. Loss of pegs decreases the number of dishes per hour that the machine will wash. Check end caps to rods and ensure that none are missing.

4. Visual inspection of electrical boxes. With power to the unit shut off at the service breaker, open the main control box and the control boxes for each section and make a visual inspection of the components. Verify that there are no loose wires, there is no carbon scoring, and that all components are secure. Replace the covers and re-energize the unit if no problems are found. Correct any deficiencies before returning the unit to an operating status.

5. Verify that the conveyor operates in both high and low speed. Start the machine as normal, ensuring that all personnel are clear. Put the machine in low speed using the Speed Selector Switch located on the front panel. Allow the unit to operate normally for five minutes ensuring that the speed appears to remain constant. Without turning off the unit, place the switch in the high speed position and allow to run for another five minutes, checking for a constant speed. Once completed, place the selector switch in the desired position and turn the unit off.

6. Inspect the vacuum breaker to ensure that the valve disc is not damaged, limed up, or misaligned. With power and water secured to the dishmachine, verify that the small disc inside the vacuum breaker moves freely and seats well.

7. Inspect and clean the steam supply y-strainer on steam models.

QUARTERLY MAINTENANCE:

1. Check the amperage draw for each connection point; this should be done only by qualified electricians since this involves working with energized components. Compare the amperage draw for each section to what is listed on the data plate and/or to maintenance records. Any significant change in amperage draw could be indicative of a major component (motor or heater) failing and should be investigated further to determine the exact cause of the change.

2. Verify that the machine is maintaining proper temperatures as indicated on the machine data plate. Start the machine and allow it to run in low speed with the exhaust fan and blower turned on. Do not load any ware onto the machine. Let run for approximately fifteen minutes before starting to observe temperatures. Compare the temperatures to what is listed on the machine data plate. If there is a discrepancy, investigate and correct.

3. Verify that the dishmachine is still level. A level machine is required for peak efficiency as water levels can be affected due to any sort of inclination. This should be done with the machine off, cooled down, and drained.

4. Delime the electric booster heater. In order to maintain the electric booster heater at its optimum performance level, it will be required to remove lime and corrosion deposits on a frequent basis. To delime, please refer to the instruction manual that came with your particular electric booster heater. A deliming solution should be available from your detergent supplier. Read and follow all instructions on the label of the deliming solution.

ANNUAL MAINTENANCE:

1. Jackson recommends that at least once a year a general, overall inspection of the dishmachine take place. With the unit drained and power secured at the service breaker, service personnel should look for any items needing addressed that may not be specifically pointed out in the preventative maintenance procedures. Examples of things to look for include:

a. Loose screws

b. Frayed wires

c. Broken lights or switches.

d. Torn curtains

Experience will dictate to service personnel specific items that should be examined and Jackson encourages scheduling inspections as often as needed to ensure certain problems do not become catastrophic.

ITEMS THAT SHOULD NOT REQUIRE MAINTENANCE:

1. Thermostats - the thermostats for your JFT machine are factory set so that your machine will operate in accordance with accepted regulatory parameters. Upon initial installation, your Jackson representative may adjust the the thermostats if required but otherwise they should never need to be corrected again. If you find yourself in a situation where you have to adjust the thermostat to maintain the same temperatures, then you most likely have a problem somewhere else. Scale build-up in the tub and on the heaters can affect the operation of the machine as can a variety of other factors. Thermostats, once they fail, cannot be repaired and should be replaced.

2. Gear drive - the drive motor is connected to a gear drive that is oil filled. Jackson does not recommend draining the gear drive for any reason. If the gear drive fails, then it should be replaced, not repaired. If for any reason the oil is drained from the gear drive, the component should be replaced.

ITEMS OF NOTE:

1. The final rinse heater is a third-party self-contained unit and should come with its own instruction manual. Refer to that manual for any information regarding troubleshooting or maintenance.

2. The Motor Fault Light on the main control panel is a catch-all warning for all motors associated with this machine. If the Motor Fault Light illuminates, the machine must be shut down completely and service personnel contacted. A motor fault can be for any number of reasons and could apply to any one or more of the motors on the machine. Do not operate the dishmachine if the Motor Fault Light is illuminated.

WARNING: Inspection, testing, and repair of electrical equipment should be performed only by qualified service personnel. Certain procedures in this section require electrical tests or measurements while power is applied to the machine. **Exercise extreme caution at all times!** If test points are not easily accessible, disconnect power, attach test equipment, and reapply power to test. When replacing electrical parts, disconnect power at source circuit breaker.

PROBLEM	POSSIBLE CAUSE	REMEDY
Nothing on dishmachine operates. The power switch is ON and the power indicator light is OFF.	1. Machine is not wired correctly to incoming power source. 2. Machine circuit breaker(s) is/are tripped. Reset the circuit breaker(s). If it trips again, contact an electrician to verify the machine amp draw. 3. Service breaker(s) are tripped. Reset the service breaker(s). If it trips again, contact an electrician to verify the machine amp draw.	1. Have an electrician verify wiring. 2. If it trips again, contact an electrician to verify the machine amp draw. 3. Reset the service breaker(s). If it trips again, contact an electrician to verify the machine amp draw.
Machine will not fill. The power switch is ON and the power indicator light is ON.	1. No water supply to machine. 2. Incoming water solenoid valve damaged/faulty. 3. Water level indicators are giving a false reading. See if the green “Tank Filled” light is on. Verify the wiring of the water level indicators and if correct, replace component.	1. Verify that water lines have been connected to the machine. 2. Verify that the valve is operating. If not, replace. 3. See if the green “Tank Filled” light is on. Verify the wiring of the water level indicators and if correct, replace component.
Low wash tank/ power rinse tank temperature.	1. Low wash tank/power rinse tank temperature. 2. Low incoming water temperature. 3. Heater not energizing. Verify that the wash tank heater is operating. If not, replace. 4. Low incoming voltage. 5. Heater has scale and lime build-up. 6. Check installation of flow restrictor at discharge of final rinse pump. 7. Float has failed, in the prewash tank, wash tank, and/or power rinse tank causing the unit to fill continuously.	1. Verify electric booster heater is energized. 2. Verify that the incoming water temperature matches what is indicated on the machine data plate. 3. Verify that the wash tank heater is operating. If not, replace. 4. Have an electrician verify that the power coming to the machine is the same as indicated on the data plate. 5. Try deliming the machine. If this does not correct the problem, the heater(s) should be replaced.
Inadequate rinse.	1. Low incoming water pressure. 2. Incoming water solenoid is clogged. 3. Check final rinse pump operation. 4. Incoming water y-strainer is clogged. 5. Clogged rinse arm nozzles. Verify that nozzles are not clogged with debris. If so, remove debris.	1.erify that incoming water pressure to rinse tank during fill is 20 ±5 PSI. 2. Verify that debris is not entrapped in valve. If so, remove debris. 3. Replace pressure transducer. 4. Remove Debris from y-strainer. 5. Verify that nozzles are not clogged with debris. If so, remove debris.

PROBLEM	POSSIBLE CAUSE	REMEDY
Problem: Ware is coming out dirty.	1. Improper pre-scapping procedures. 2. Verify that the chemical concentrations are correct. 3. Wash pumps are clogged with debris. 4. Water level is too low and pumps are cavitating (drawing in air). Verify that water levels are correct by observing whether or not the “Tank Filled” light is illuminated. If so and problem continues, visually verify that the water level is correct. 5. Strainers are clogged with debris. 6. Prewash, wash or power rinse nozzles are clogged.	1. Verify that proper pre-scrapping procedures are being followed. Allowing excessive food waste to enter the machine diminishes the cleaning capabilities. 2. Refer to the page entitled “Detergent Control” in this manual. If there appears to be a problem with the chemicals, contact your chemical representative. 3. Remove debris if pump is not permanently damaged. 4. Verify that water levels are correct by observing whether or not the “Tank Filled” light is illuminated. If so and problem continues, visually verify that the water level is correct. 5. Strainer should be removed and cleaned.
An excessive amount of vapor is exiting the machine through the load and/or unload ends.	1. Exhaust fan is turned off as well as the room ventilation. 2. Verify the correct placement of the curtains within the machine. 3. Water temperatures may be too hot. Verify water temperatures and ensure they comply to what is marked on the machine data plate.	1. Ensure that the exhaust fan is turned on as well as the room ventilation. 2. Correct as necessary. 3. Verify water temperatures and ensure they comply to what is marked on the machine data plate 4. Check correct damper positioning in the electrical section.
Machine continues to fill and does not stop. Green “Tank Filled” light does not come on.	1. No water coming to the machine. 2. Drain valves are open. Verify the position of the valves and shut if necessary. 3. Water level controls are faulty. 4. Leak in the tub. 5. Drain valve indicates closed but in reality is not. 6. Level control sensors may need the sensitivity adjusted.	1. Verify that the power is on and that the water supply is also turned on. 2. Verify the position of the valves and shut if necessary. 3. Verify the wiring of the water level controls to the schematic and if correct, replace. 4. Inspect under the machine to verify that there are no holes or cracks. 5. Replace or repair the drain valve. 6. Level control sensors may need the sensitivity adjusted.

PROBLEM	POSSIBLE CAUSE	REMEDY
Water level will not remain constant (tanks appear to be losing water).	1. Drain valve is open and draining the tub. 2. Low water pressure. 3. Machine is not level. 4. Faulty water level control or control probe. 5. Check placement of splash shield runoffs.. Adjust if necessary. 6. Check curtain placement. Adjust if necessary.	1.Verify that all drain valves are shut. 2. Verify that incoming water is flowing to the machine and at the pressure indicated on the data plate. 3. Verify that the dishmachine is level. 4. Replace as required. 5. Adjust if necessary. 6. Adjust if necessary.
Water level will not remain constant (tanks appear to be losing water).	1. Drain valve is open and draining the tub 2. Low water pressure. 3. Machine is not level. 4. Faulty water level control or control probe. 5. Check placement of splash shield runoffs. Adjust if necessary. 6. Check curtain placement. Adjust if necessary.	1.Verify that all drain valves are shut. 2. Verify that incoming water is flowing to the machine and at the pressure indicated on the data plate. 3. Verify that the dishmachine is level. 4. Replace as required. 5. Adjust if necessary. 6. Adjust if necessary.
Machine is running and suddenly stops. Motor fault light may be on.	1. Power may have been lost to the dishmachine. 2. Turn off the machine and open the doors. It is possible that the conveyor track became bound up or jammed during operation. Ensure there are no obvious jams or obstructions preventing the conveyor belt from moving. 3. Conveyor drive chain is broken or has come off. 4. Conveyor drive motor could be faulted.5. Failure of drive motor switch or slide stop switch. 5. Failure of drive motor switch or slide stop switch.	1. If the control box lights are on, it is safe to assume that there is power. 2. It may be necessary to remove all ware from the conveyor rack before proceeding. Try pulling up on the conveyor belt at various locations in the event it became misaligned. be careful, this may cause the conveyor belt to snap back into place instantly! Another sign of a jammed belt will be the conveyor drive motor will be pulled against the unit and it's spring bracket will be compressed. 3. Secure the machine and remove the cover to expose the drive motor, gearing and chain. If the chain is broken, it may be possible to put it back together, otherwise a new one should be ordered. 4. Chain may need to be replaced. 5. Failure of drive motor switch or slide stop switch. 6. Slide stop at end of machine pushed in by dishes on racks (normal).

VACUUM BREAKER REPAIR PARTS KIT

These dishmachines are equipped with vacuum breakers to serve as back-flow prevention devices. ASSE requirements specify what type of back-flow prevention is necessary on dishmachines. Vacuum breakers, unlike air gaps, have certain parts that have specific tolerances and design aspects that must be met in order to function properly.

Jackson offers repair kits for replacing some of the wear items associated with vacuum breakers which will allow you to save money in that replacement of these parts can take place *without* removing the vacuum breaker from the plumbing assembly.

The instructions provided here are for maintenance personnel only. Unauthorized persons should not attempt any of the steps contained in these instructions.

Warning: many of the instructions and steps within this document require the use of tools. Only authorized personnel should ever perform any maintenance procedure on the dishmachine!

PREPARATION:

1. Power must be secured to the unit at the service breaker. Tag or lock out the service breaker to prevent accidental or unauthorized energizing of the machine.
2. Ensure that incoming water to the machine is secured either by use of a shut-off valve or disconnecting the incoming water line.

TOOLS REQUIRED:

The following tools will be needed to perform this maintenance evolution:
1. Small flathead screwdriver.
2. Needle-nose pliers.

TIME REQUIRED:

It is estimated that it will take (1) person twenty minutes to perform this task, not including all of the items indicated in the section entitled “PREPARATION.”

STEPS:

Read these instructions thoroughly before attempting this maintenance evolution. Become familiar with the parts and what actions need to be taken. This will save time in the long run!

1. NOTE: These instructions only apply to vacuum breakers (1/2” NPT and 3/4” NPT) as pictured below. The repair kits indicated in these instructions will only work on those style of back-flow preventers. If you have a machine with a different style of vacuum breaker, contact your Jackson representative about replacement components.

2. NOTE: Even though the photos in these instructions show a vacuum breaker that has been removed from the plumbing assembly, these maintenance steps could be performed with it installed so long as the requirements in the section entitled “PREPARATION” have been met.

Vacuum Breaker

STEPS: (CONTINUED)

3. Remove the top cap by gripping firmly and turning to the left. The cap should come off after a few turns.

4. Set the cap to the side.

5. Using the needle-nose pliers, gently lift out the plunger and set to the side. Examine the brass seating surface inside the vacuum breaker. The plunger is required to sit flat on this surface so it must be free of defects, imperfections, etc. If there is debris, remove it. If it is chipped or cracked, then the vacuum breaker must be replaced. Failure to do so may result in the vacuum breaker not working according to its design and could result in damage to the dishmachine.

6. Your repair kit comes with a new plunger. Examine the old one and ensure that the mating surface is not damaged or cut. Also inspect the rubber seal on the top of the plunger to ensure it is in good condition and not torn.

7. If any of these conditions are present, replace the old plunger with the new one from your kit. Verify that the new plunger is also free from defects. If it is not, contact your Jackson representative immediately.

8. The plunger should drop into the vacuum breaker and seat. Ensure it is not flipped upside-down (the orange seal ring should be up towards the top of the vacuum breaker).

Removing the cap

Removing the plunger

Examining the plunger seating surface

Examining the seal ring on the plunger

9. Pick up the cap and examine it. With a soft towel, remove any grit, grime, or debris that may have gotten caught in the threads of both the cap retainer or the vacuum breaker body. There is an O-ring that should be present on the cap retainer as well. Regardless of the condition of the plunger, this O-ring should be replaced once the cap is removed. Using a small flathead screwdriver, remove the old O-ring.

Replacing the O-ring

10. With the new O-ring in place, screw the cap back on the vacuum breaker body. The cap needs to only be hand-tight (snug).

AFTER MAINTENANCE ACTIONS

1. Reconnect the incoming water (if disconnected) and turn on. Then restore power to the unit. Run the unit for at least 10 minutes to ensure there are no leaks. If any problems arise, contact your Jackson representative.

SPECIAL PARTS

Vacuum breaker repair kit:

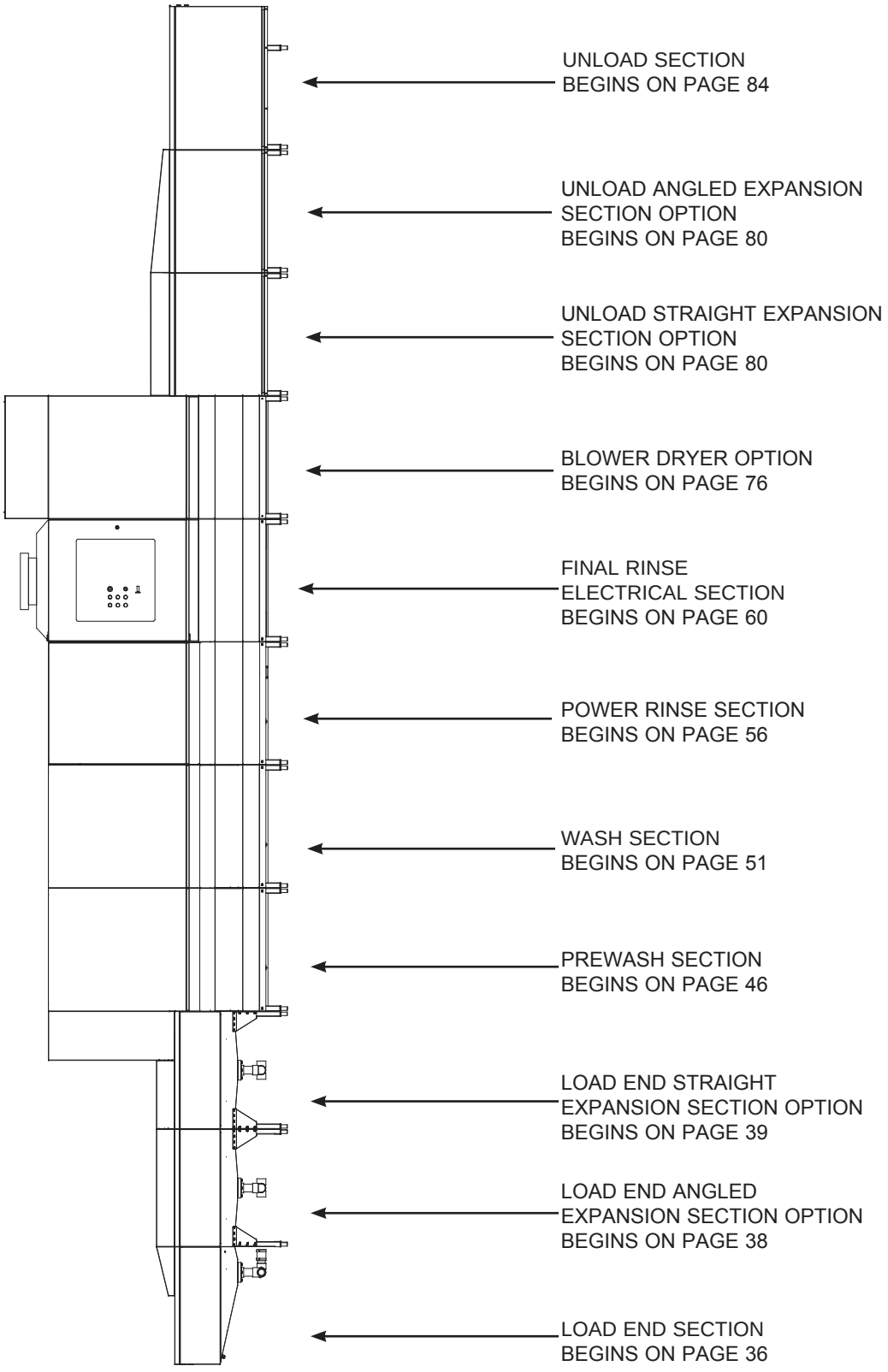
For 1/2” NPT order 06401-003-06-23

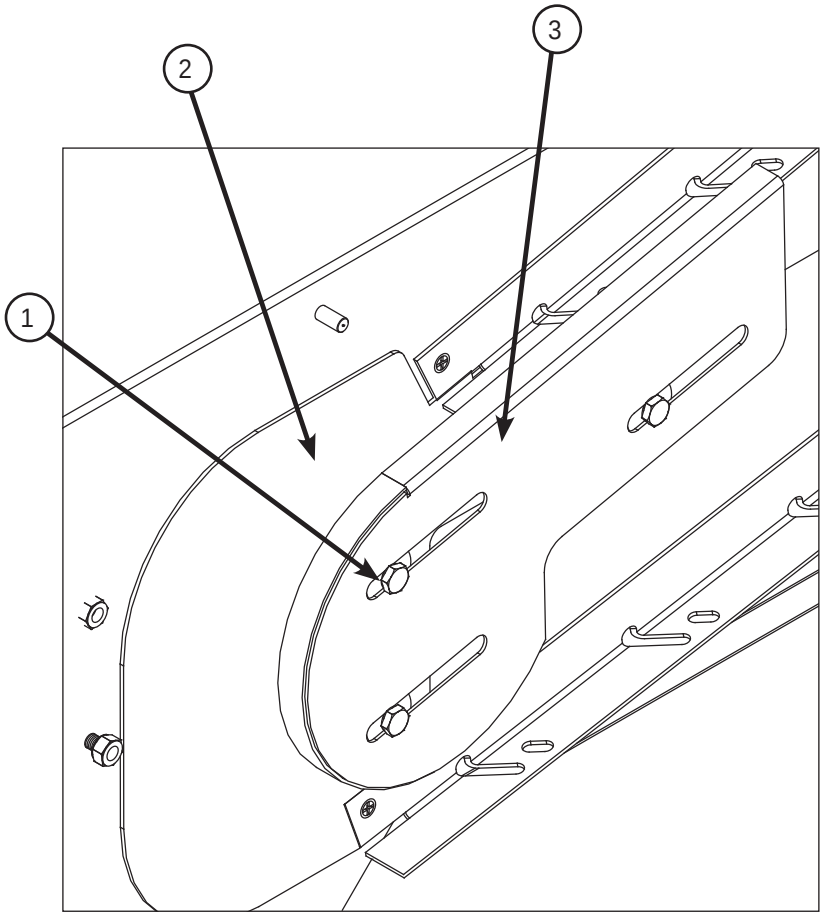
For 3/4” NPT order 06401-003-06-24

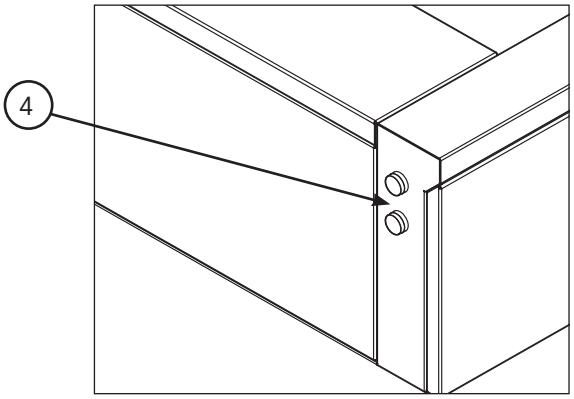
Complete Vacuum Breaker Assembly

For 1/2” NPT order 04820-003-06-13

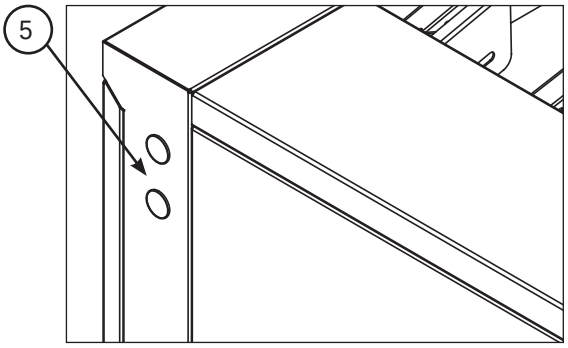
For 3/4” NPT order 04820-002-53-77


UNLOAD SECTION
BEGINS ON PAGE 84
UNLOAD ANGLED EXPANSION
SECTION OPTION
BEGINS ON PAGE 80
UNLOAD STRAIGHT EXPANSION
SECTION OPTION
BEGINS ON PAGE 80
BLOWER DRYER OPTION
BEGINS ON PAGE 76
FINAL RINSE
ELECTRICAL SECTION
BEGINS ON PAGE 60
POWER RINSE SECTION
BEGINS ON PAGE 56
WASH SECTION
BEGINS ON PAGE 51
PREWASH SECTION
BEGINS ON PAGE 46
LOAD END STRAIGHT
EXPANSION SECTION OPTION
BEGINS ON PAGE 39
LOAD END ANGLED
EXPANSION SECTION OPTION
BEGINS ON PAGE 38
LOAD END SECTION
BEGINS ON PAGE 36





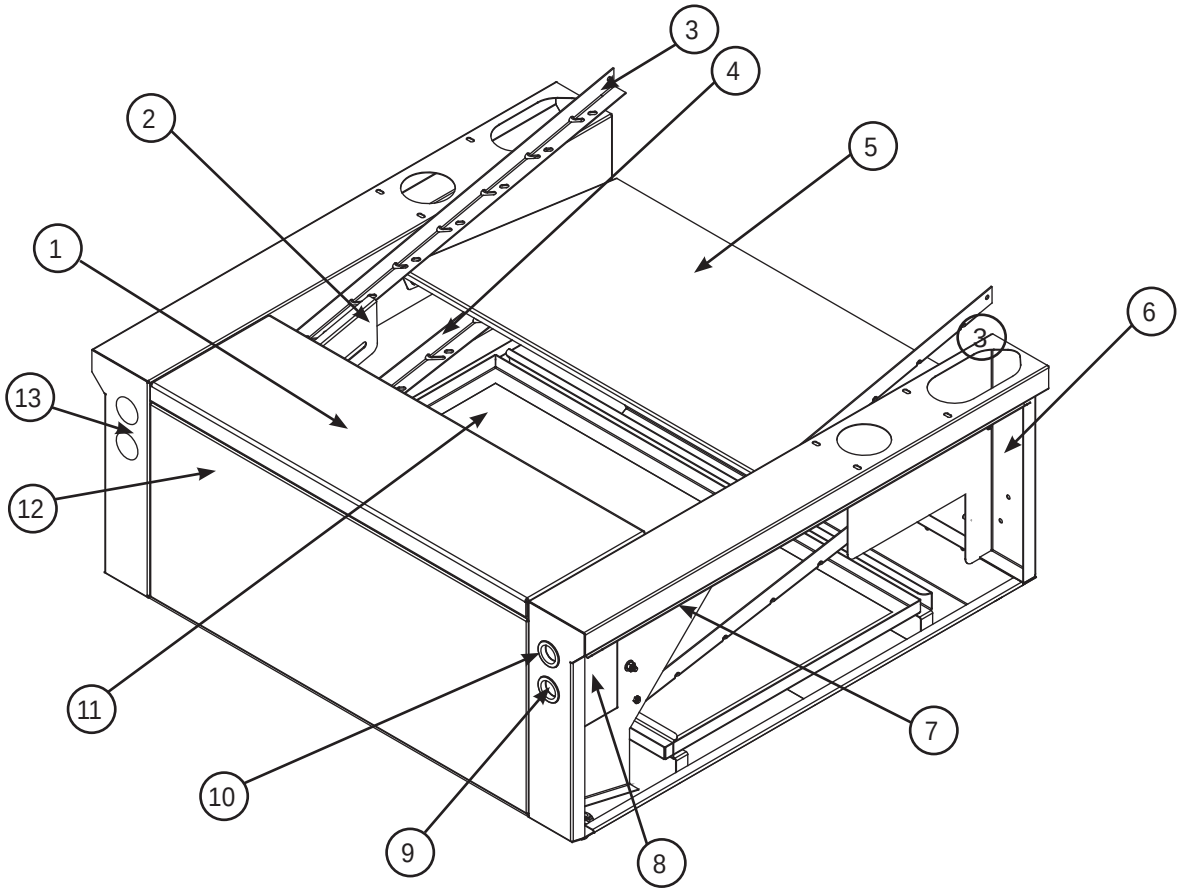
Old Style With Extended Switches



Old Style Heyco Plug

ITEM	QTY	DESCRIPTION	PART NUMBER
1	3 per side	*Standoff, Belt Return	05700-002-82-27
2	1	Plate, Rail	05700-002-65-82
3	1	Back, Conveyor Belt Return	05700-002-72-57
	1	Front, Conveyor Belt Return (not shown)	05700-002-72-58
4	1	Plug, Heyco	05975-011-47-81
5	1	Cover, Switch (Not Shown)	05700-002-97-85

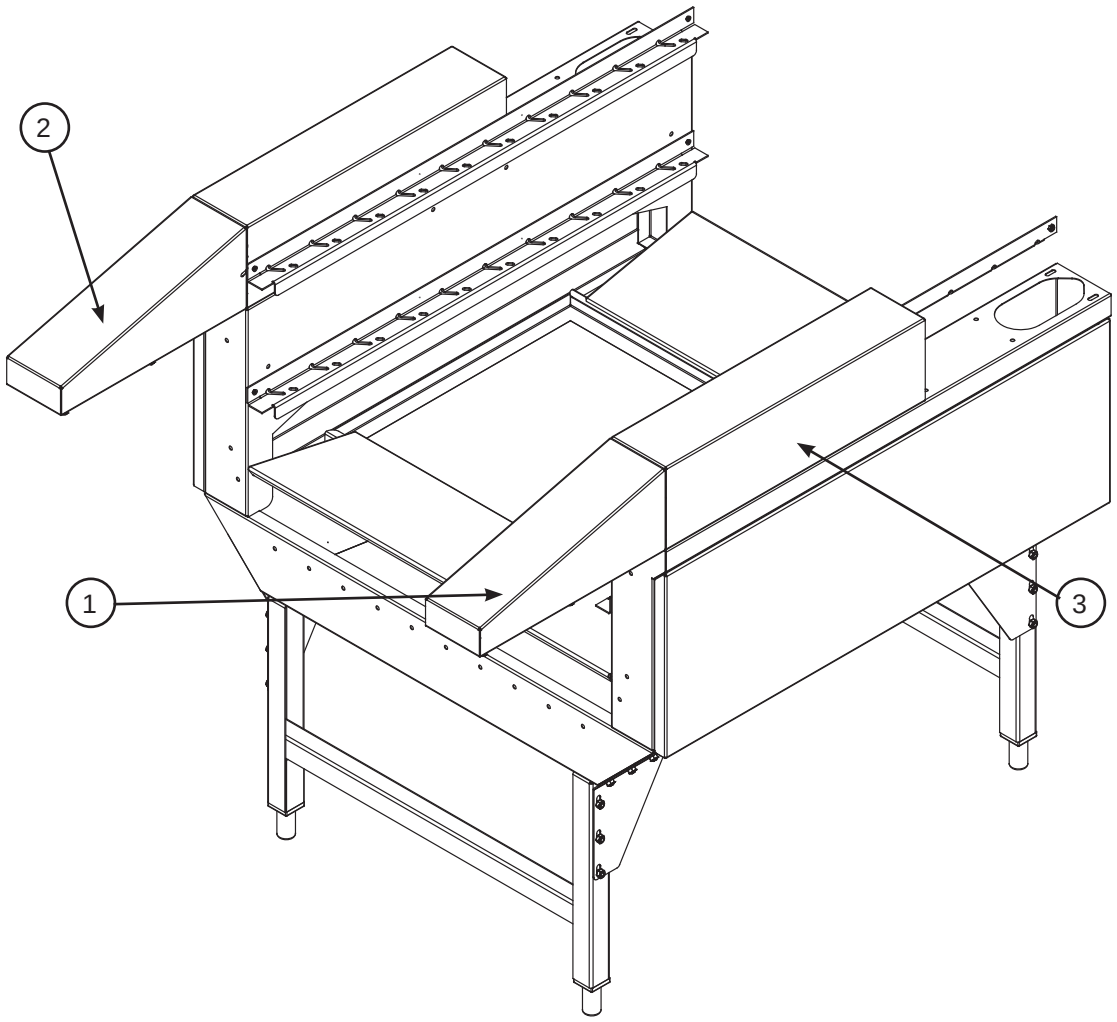
LOAD END SECTION



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	End Cap	05700-003-09-08
2	1	Refer to Detail “A” on page 36	
3	2	Upper Rail	05700-002-66-29
4	2	Rack Lower Rail	05700-002-65-87
5	1	Inlet/Outlet Run Off	05700-002-81-99
6	2	Side Cover	05700-003-09-09
7		Refer to Detail “A” on page 36	
8	1	Switch Cover	05700-003-09-10
		Switch Holding Bracket	05700-003-09-11
9	1	Red Stop Switch	05930-002-80-73
	1	Snap 1 1/2” Bushing	05975-003-10-46
10	1	Green Start Switch	05930-002-80-60
	1	Snap 1 1/2” Bushing	05975-003-10-46
11	1	Strainer	05700-002-94-24
12	1	End Plate	05700-002-84-40
13	1	Domed Plug	05975-003-10-45

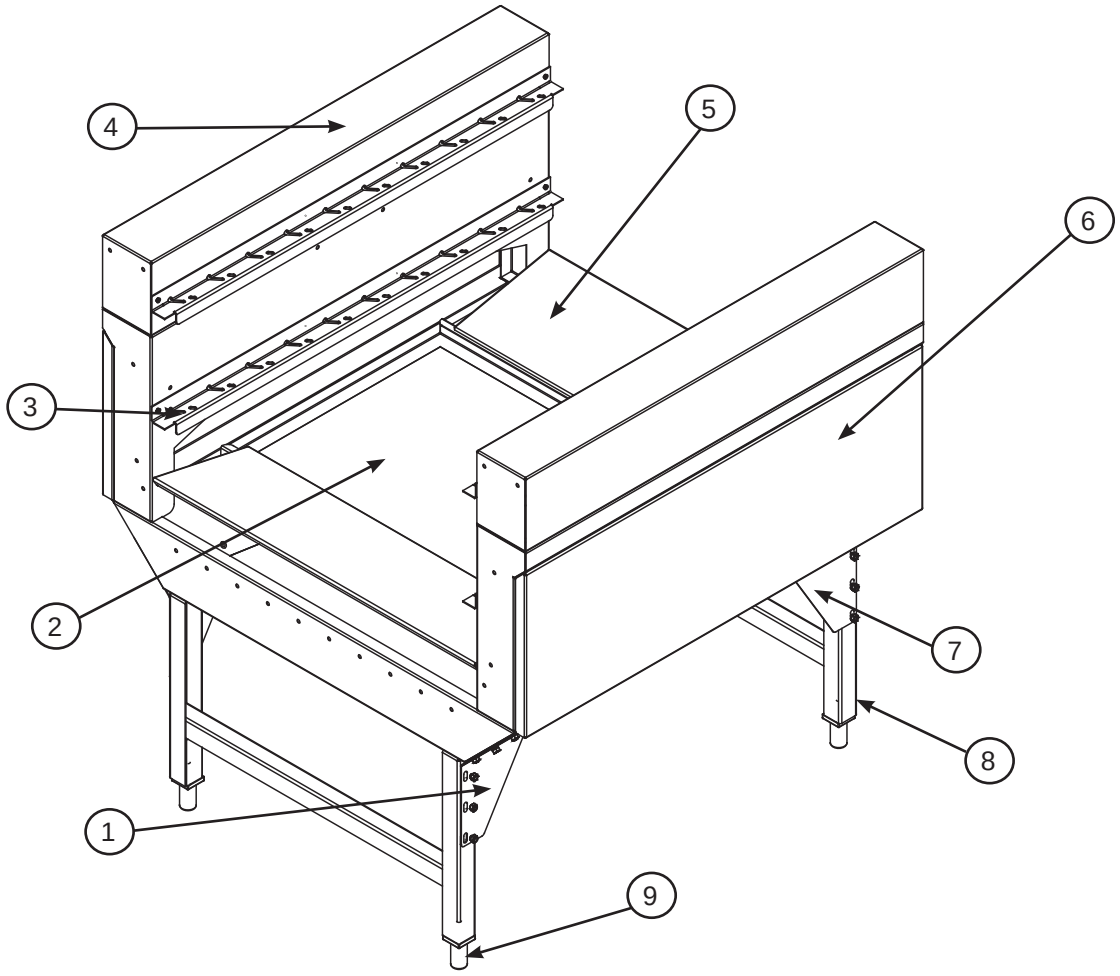
LOAD END SECTION ASSEMBLY

ANGLED EXPANSION ASSEMBLY



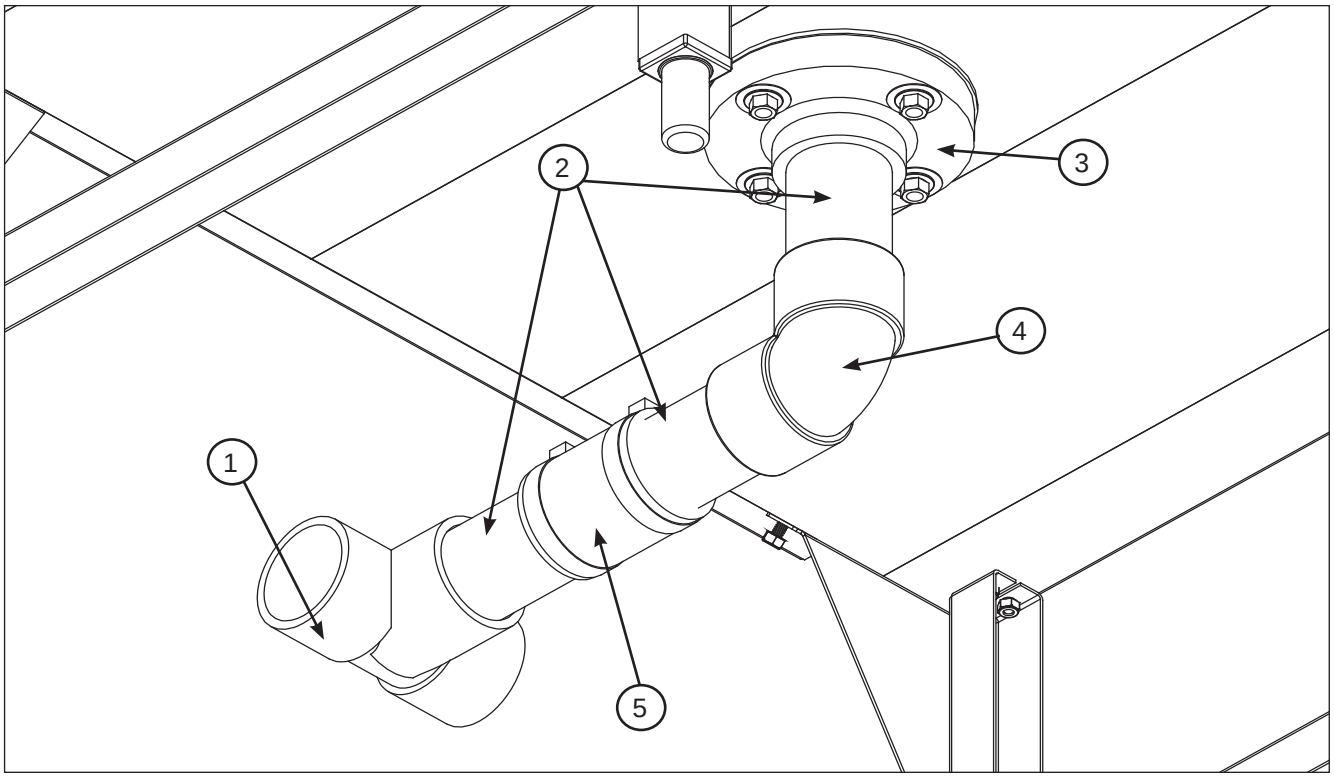
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Angled Top Right, Load Expansion	05700-003-09-19
2	1	Angled Top Left, Load Expansion	05700-003-09-20
3	1	Top, Load Expansion Section	05700-003-09-21

STRAIGHT EXPANSION ASSEMBLY



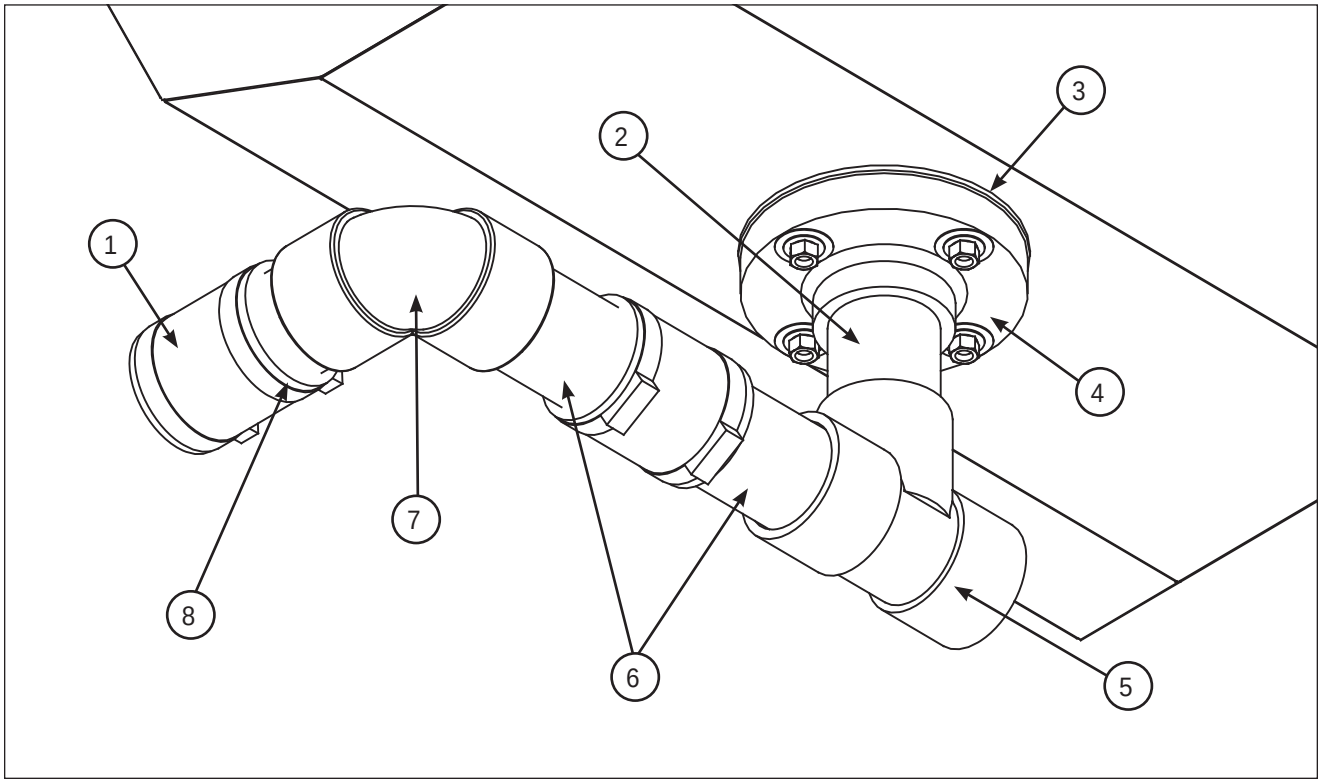
ITEM	QTY	DESCRIPTION	PART NUMBER
1	2 per	Left Support, Expansion Leg	05700-003-09-27
2	1	Loader Section Strainer	05700-002-94-24
3	1	Rail, Lower	05700-002-65-07
4	2 per	Rail Guard, Upper	05700-002-65-07
5		Run Off Sheet	05700-003-09-17
6	1	Panel, Side Dress	05700-003-09-09
7	2 per	Right Support, Expansion Leg	05700-003-09-26
8	2 per	Leg Weldment	05700-003-09-28
9	2 per	Bullet Feet	05340-108-02-06

EXPANSION SECTIONS DRAIN PLUMBING



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	CPVC, 2” Tee	04730-002-66-09
2	1	Tube, CPVC 2” x 6” Long	05700-003-05-00
3	1	Flange, 2 Inch	04730-003-04-25
	1	Gasket, Drain	05330-003-04-26
4	1	Elbow, 2”, 90B, CPVC	04730-002-72-25
5	2 per	2” No Hub	04730-002-66-87

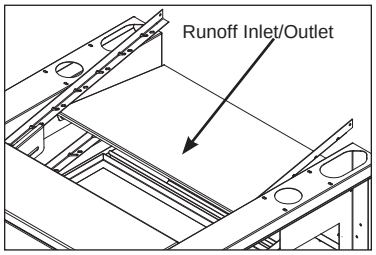
LOAD SECTION DRAIN PLUMBING



ITEM	QTY	DESCRIPTION	PART NUMBER
1	2 per	2” No Hub	04730-002-66-87
2	1	Tube, CPVC 2” x 6” Long	05700-003-05-00
3	1	Gasket, Drain	05330-003-04-26
4	1	Flange, 2 Inch	04730-003-04-25
5	1	CPVC, 2” Tee	04730-002-66-09
6	1	Tube, CPVC 2” x 6” Long	05700-003-05-00
7	1	Elbow, 2”, 90B, CPVC	04730-002-72-25
8	1	CPVC, 2” ID x 3 3/4” Long	05700-002-69-58

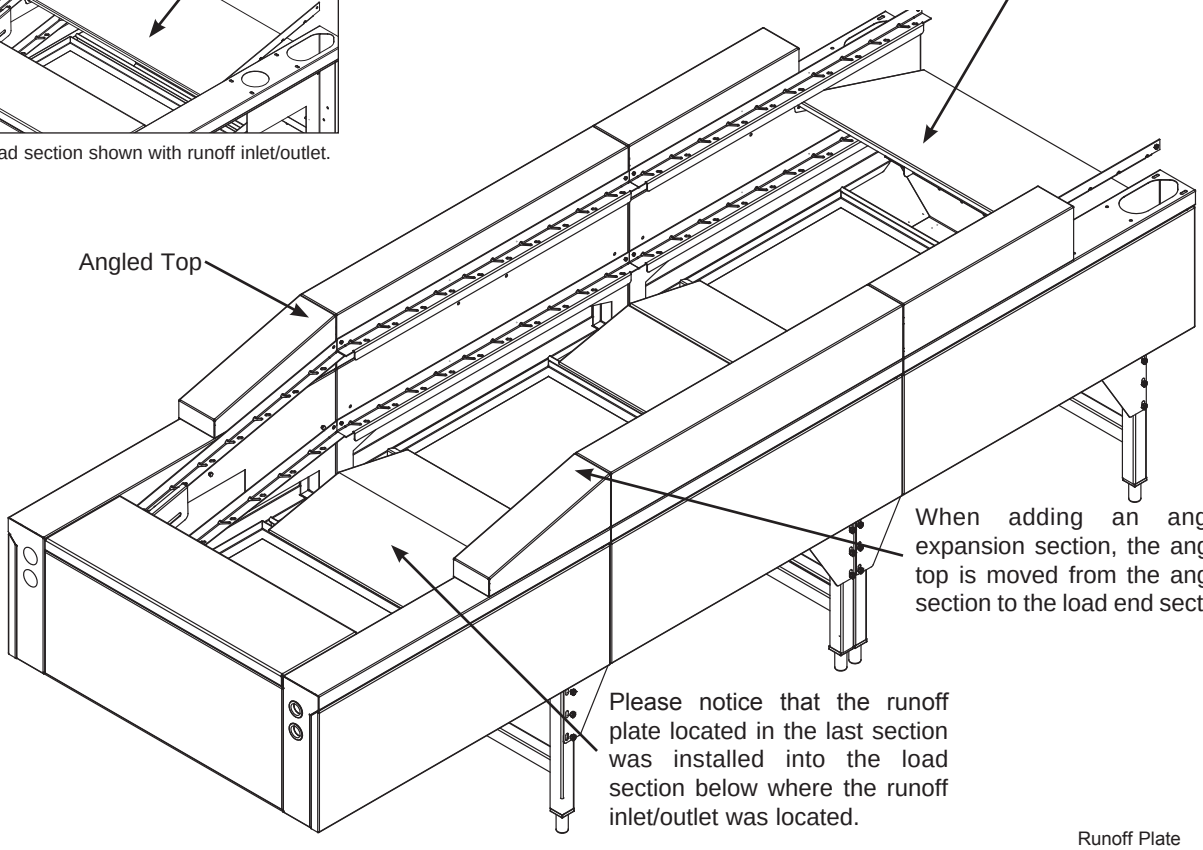
LOAD END EXPANSION INSTRUCTIONS

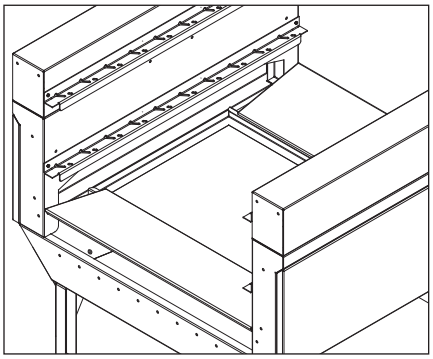
When assembling the angled and/or straight expansion sections to the load end, you will have to move some parts from one section to another. Shown below is how the sections look when all three are combined.



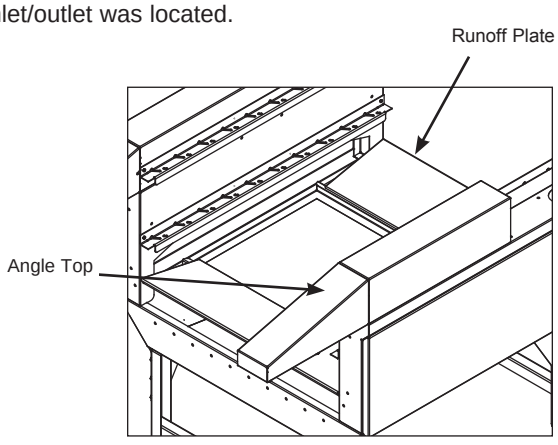
Load section shown with runoff inlet/outlet.

Whether you add one or both expansion sections, the runoff inlet/outlet has to be removed from the load section and installed on the end of the expansion section next to the prewash.


Angled Top
When adding an angled expansion section, the angled top is moved from the angled section to the load end section.
Please notice that the runoff plate located in the last section was installed into the load section below where the runoff inlet/outlet was located.

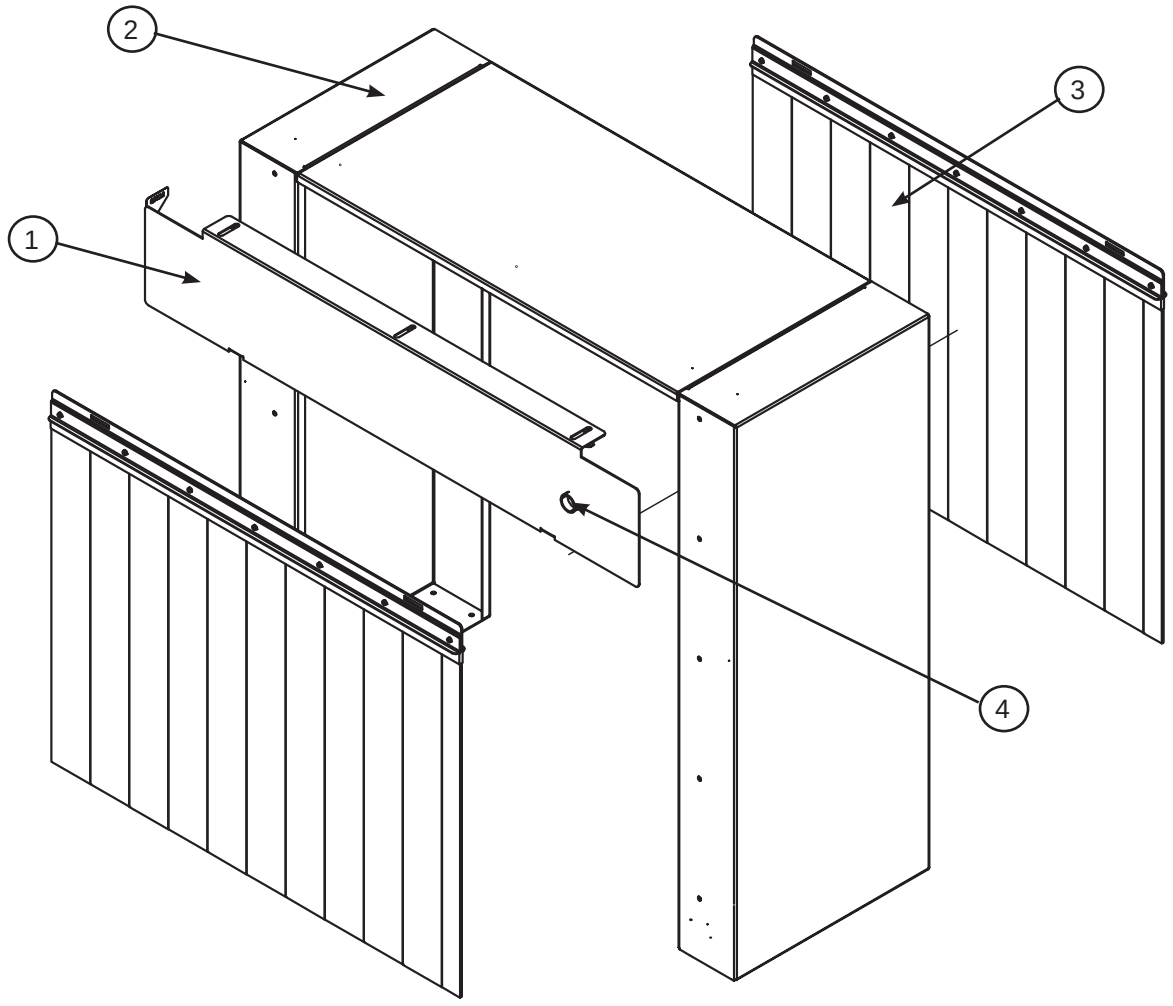


Straight expansion shown with both runoff plates.



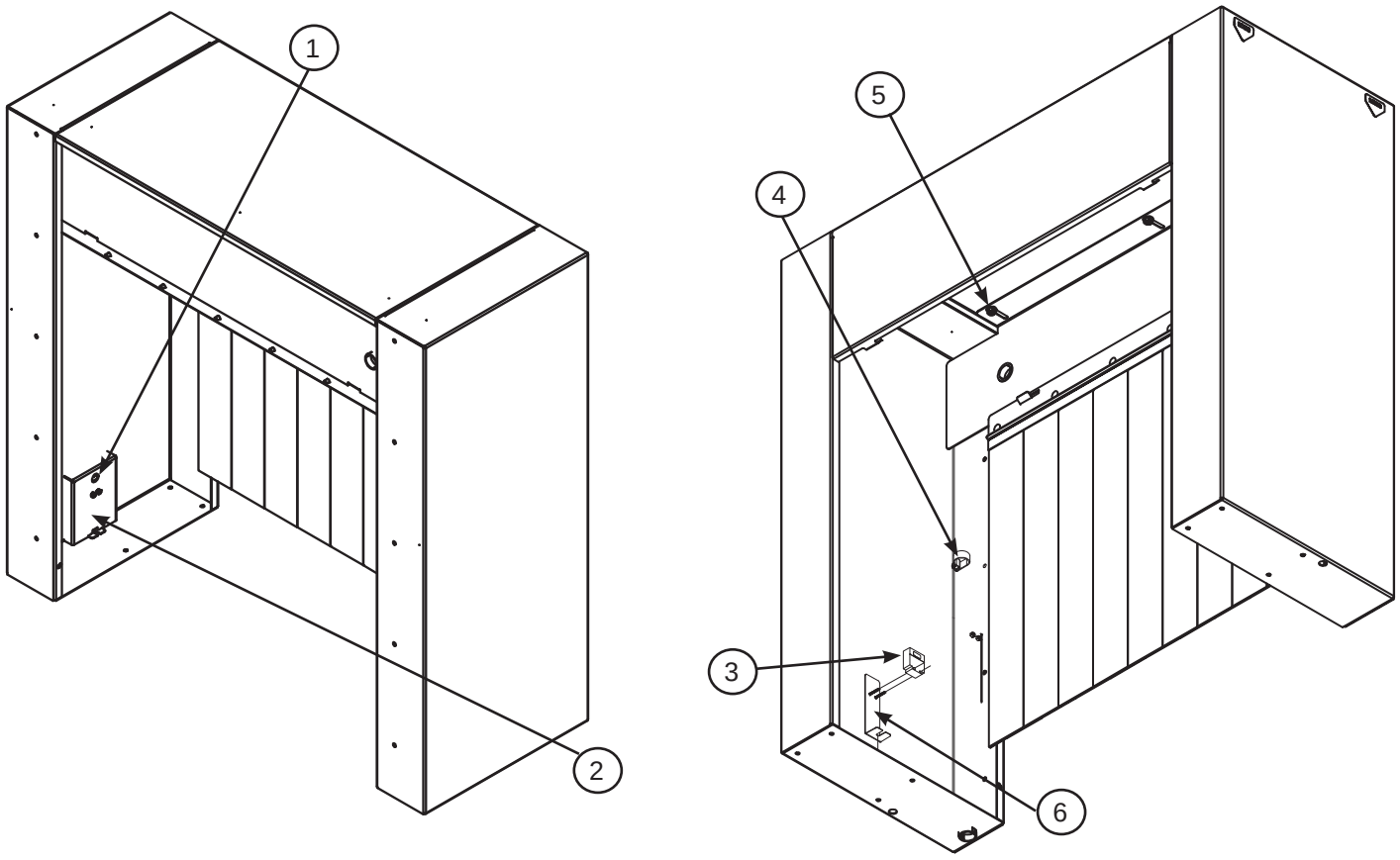
Angled expansion shown with both runoff plates and the angled top.

SHROUD ASSEMBLY



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Shroud Buffer	05700-002-69-16
2	1	Shroud Weldment	05700-002-69-15
3	2 per	Long Curtain Assembly	05700-002-79-70
4	2 per	Grommet, 1-1/8”	05975-210-08-00

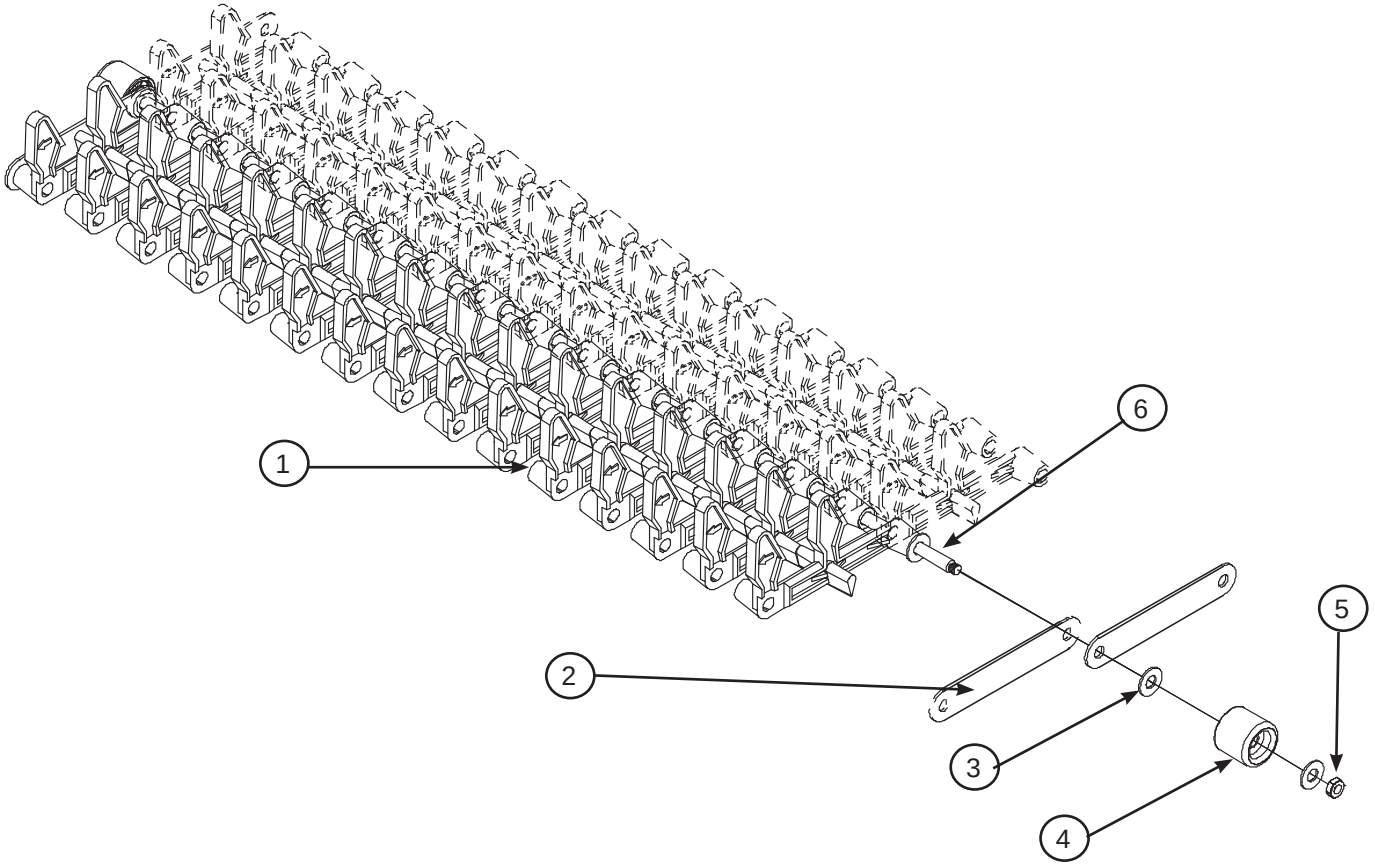
SHROUD ASSEMBLY



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Receiver Sensor	05945-003-05-69
2	1	Locknut, 10-24 Hex w/Nylon Insert	05310-373-01-00
3	1	Emitter Senso	05945-003-05-68
4	1	Clamp, Cable .875 ID	05975-003-04-84
	1	Locknut, 10-24 Hex w/Nylon Insert	05310-373-01-00
5	1	Locknut, 1/4”-20 Hex w/Nylon Insert	05310-374-01-00
	1	Washer, 1/4”-20 ID	05311-174-01-00

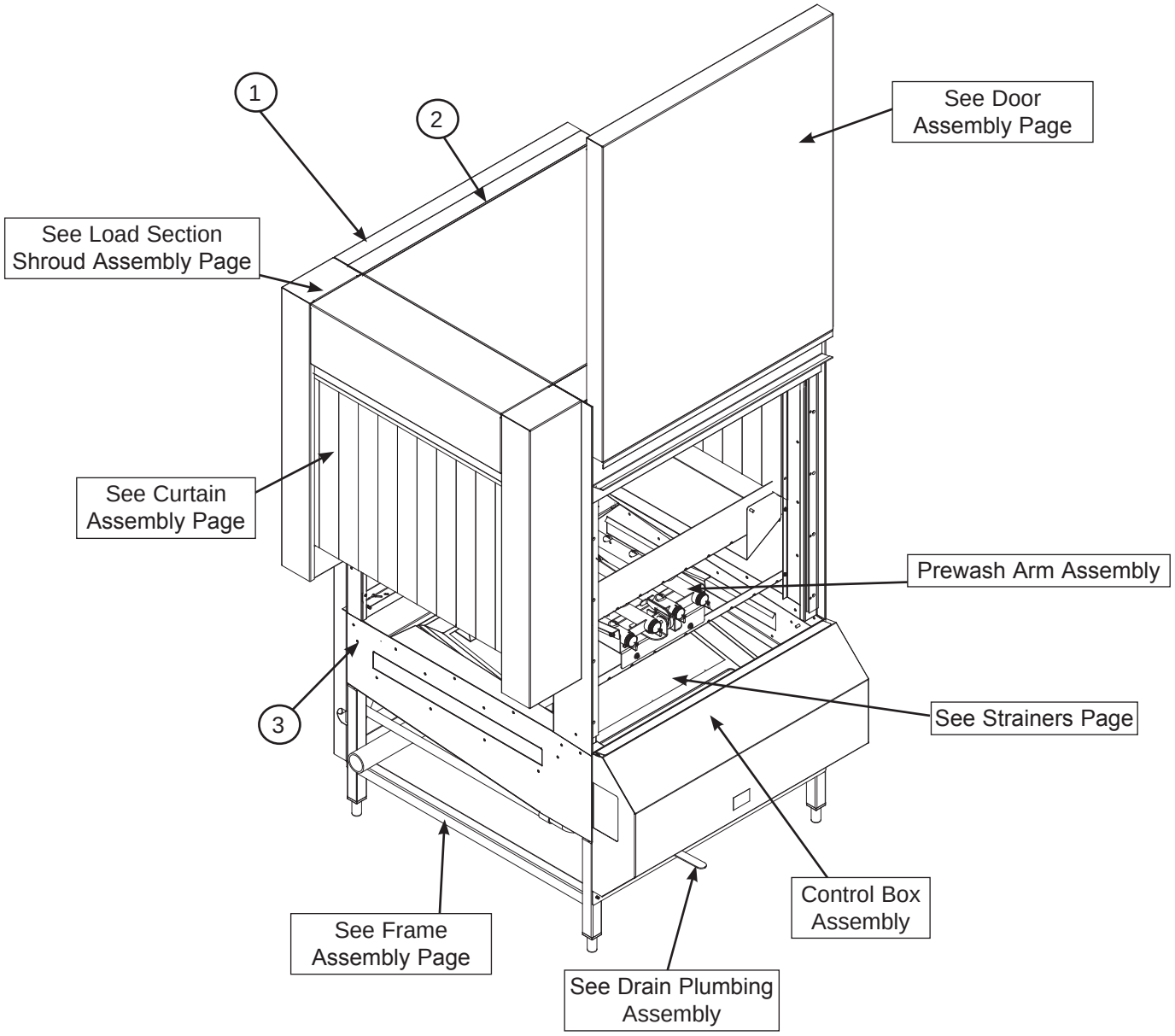
CONVEYOR BELT ASSEMBLY

When ordering replacement conveyor belt assemblies, please have your machine serial number available and contact Jackson WWS, Inc. technical support toll free at 1-888-800-5672. Technical support is available from 8:00 a.m. to 5:00 p.m. (EST), Monday through Friday. Technical support is not available on holidays. Your machine serial number can be found on the machine data plate.

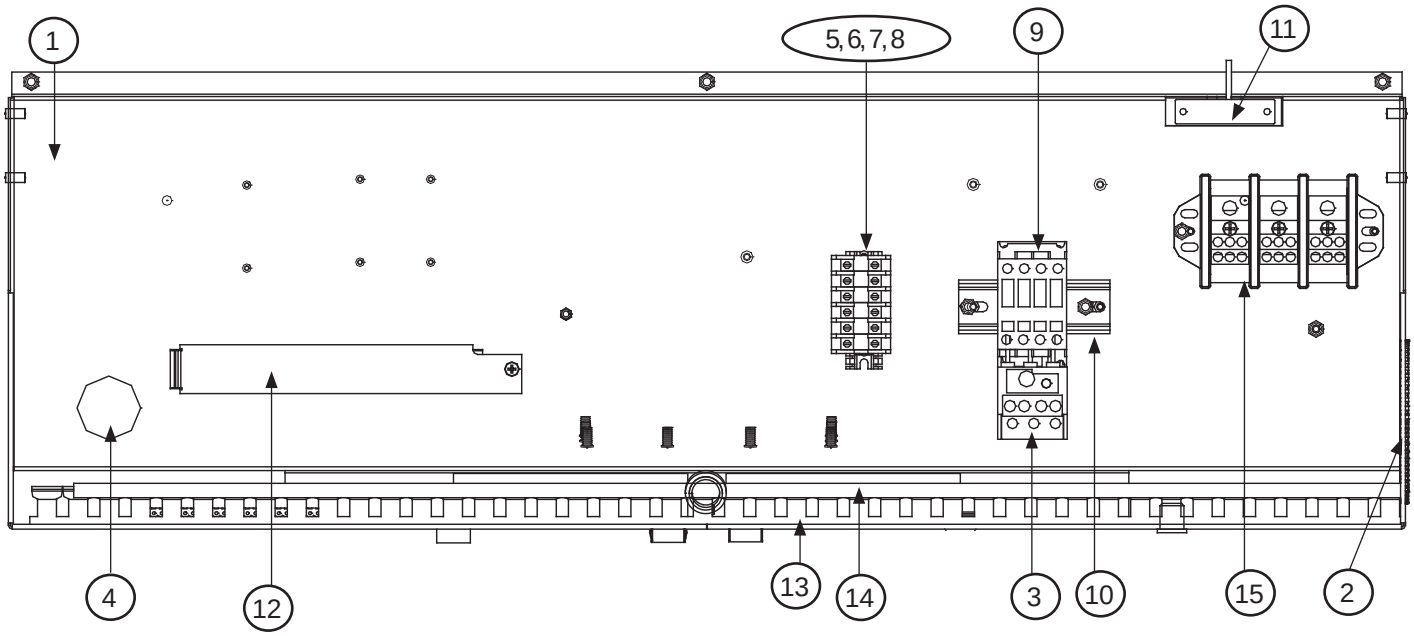


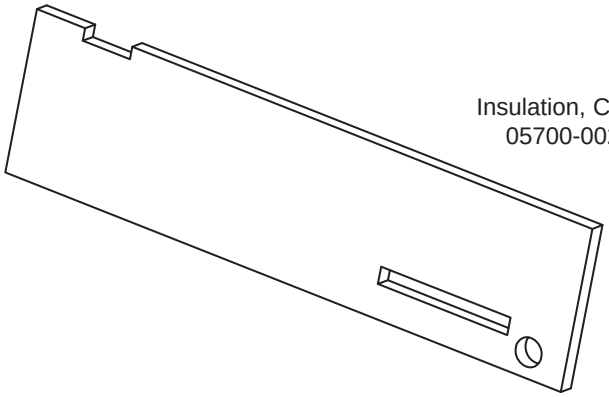
ITEM	QTY	DESCRIPTION	PART NUMBER
	1	Complete 12 Foot Rod Assembly	05700-002-85-37
1	15	Peg, Belt	05700-003-25-80
2	2	Plate, Connector	05700-002-63-85
3	6	Washer	05311-175-01-00
4	2	Wheel, PVC	05340-002-63-86
5	2	Locknut, 1/4”-20, Low Profile with Nylon Insert	05310-374-02-00
6	1	Rod, Conveyor	05700-002-63-92

PREWASH SECTION ASSEMBLY

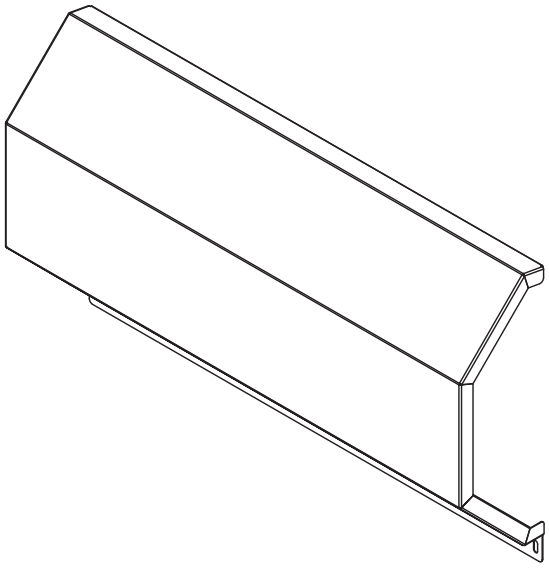


ITEM	QTY	DESCRIPTION	PART NUMBER
1	6	Cover, Back	05700-002-64-41
	1	Foam, Back Cover	08115-002-71-33
2	1	Top Panel Cover	05700-002-64-40
	1	Top Panel Handle (not shown)	05700-002-67-21
3	38	Gasket Spacers (not shown)	05330-003-04-12





Insulation, Control Box
05700-002-80-47



Cover, Control Box Weldment, L-R
05700-002-88-27

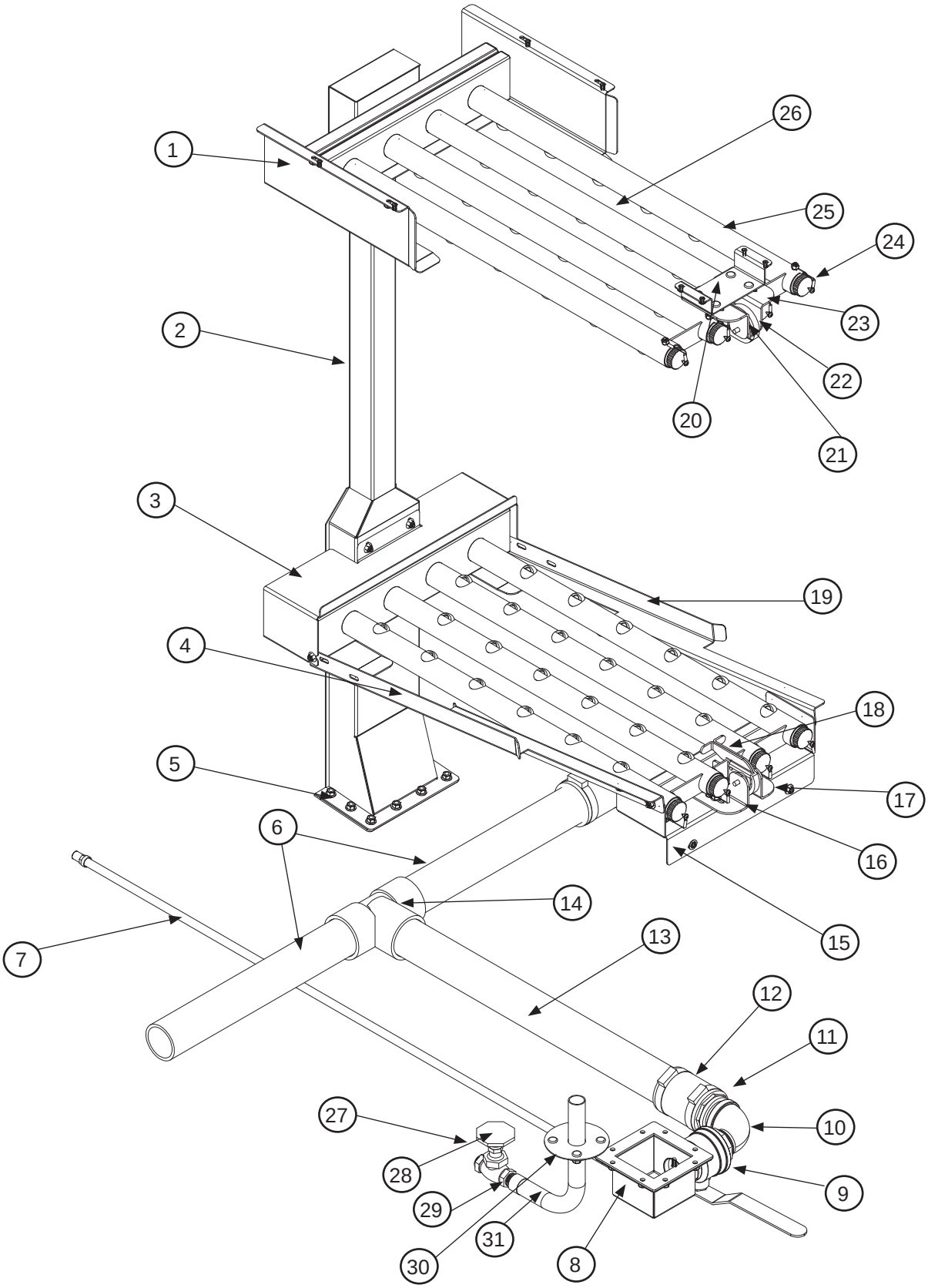
Cover, Control Box Weldment, R-L
05700-002-88-28

Decal, Warning-Disconnect Power
09905-100-75-93

Decal, Drain Handle
05700-003-12-80

CONTROL BOX ASSEMBLY

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Control Box Weldment	05700-002-70-62
2	1	Grommet, 3 1/2 Dia. Rubber	05700-002-83-05
3	1	Overload, Prewash Motor, 10 - 16 Amp, 208-230V Units	05945-011-84-59
3	1	Overload, Prewash Motor, 5.5-8.5 Amp, 460V Units	05945-111-68-40
3	1	Overload, Prewash Motor,4.0-6.3 Amp, 600V Units	05945-111-81-33
4	6	Sensor, Swing Arm Level	06680-002-98-62
5	1	Channel, Mounting	05700-002-83-23
6	1	Block, Terminal	05940-500-11-05
7	1	End Barrier	05940-500-21-05
8	1	Retaining Clip	05945-500-02-05
9	1	Contactor, Wash Motor	05945-111-68-38
10	1	Din Rail	05700-002-16-00
11	1	Switch, Reed	05930-002-36-80
12	1	Thermostat Cover	05700-002-70-61
13	1	Panduit Bottom 3” x 35 1/8”	05700-002-84-95
14	1	Panduit Cover 3” x 34”	05700-002-84-94
15	1	Block,Terminal	05940-011-48-27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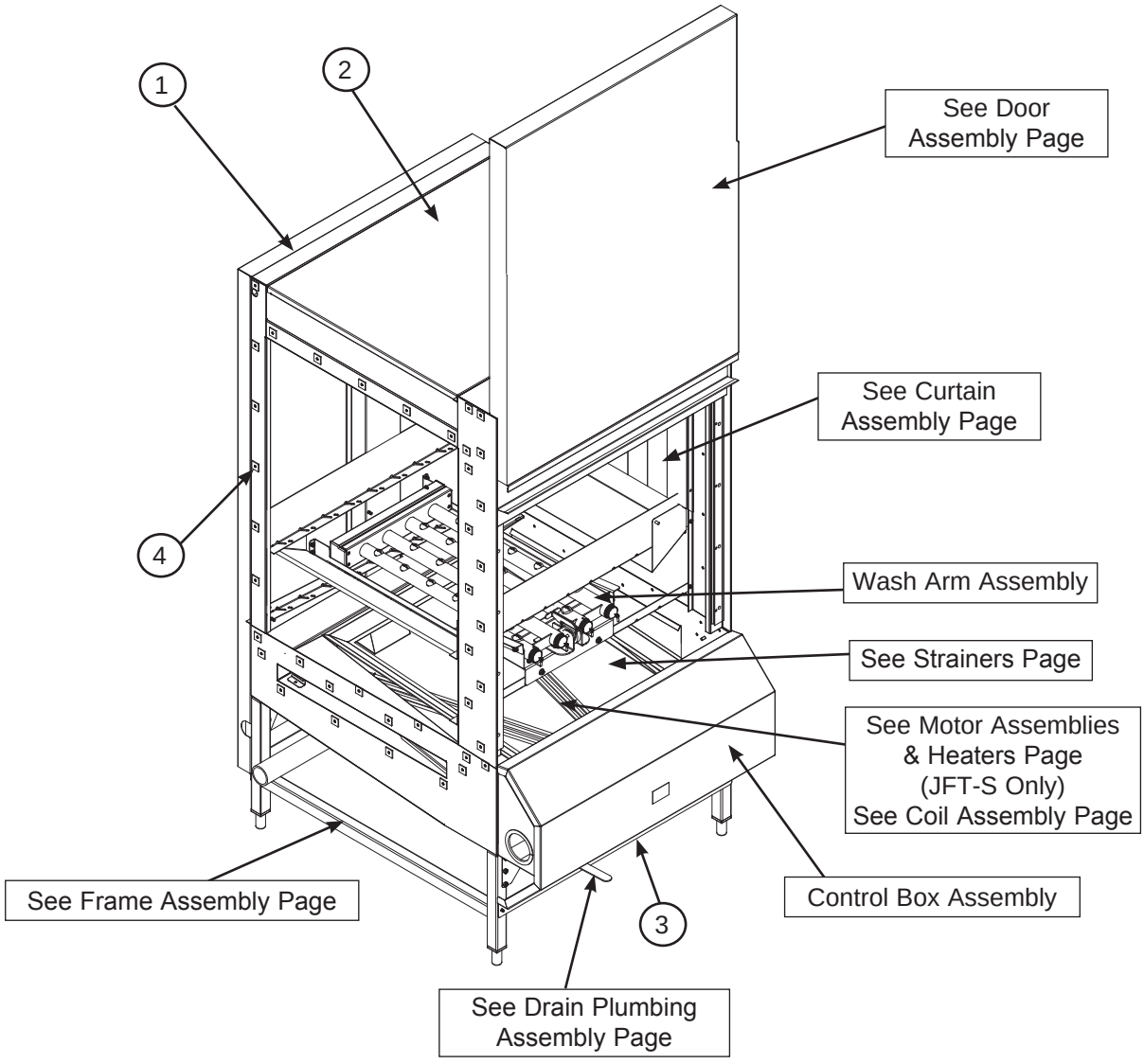
ARM & DRAIN PLUMBING ASSEMBLIES

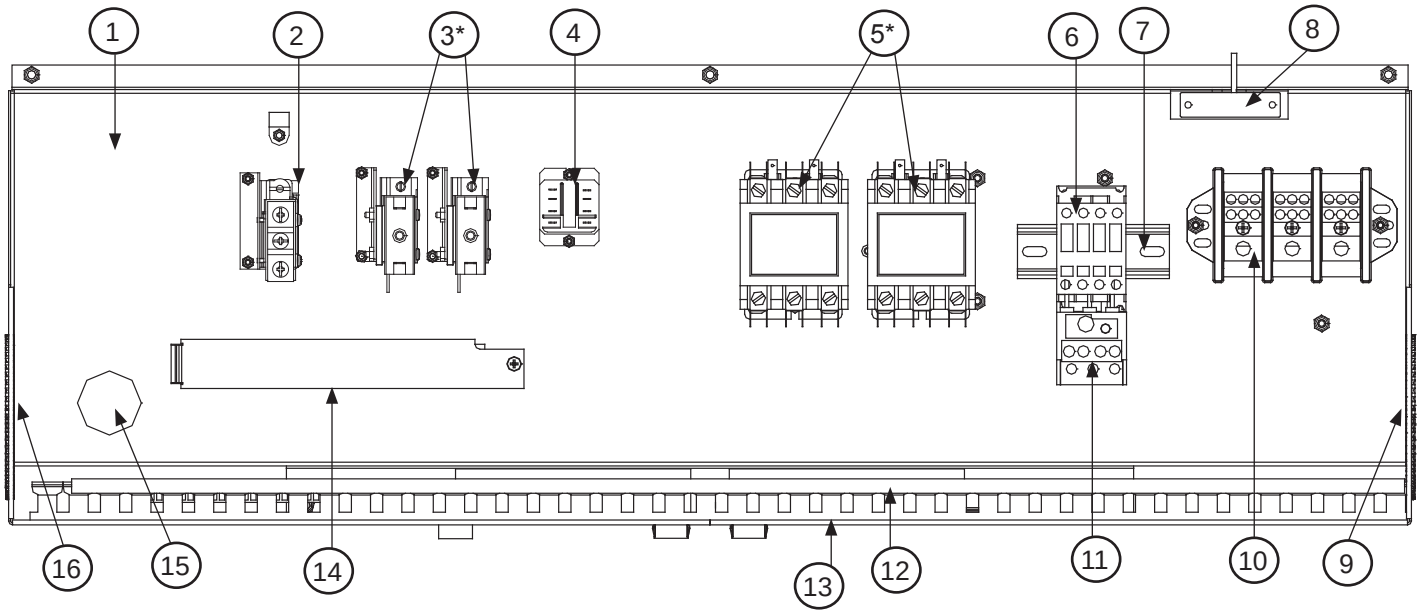
ITEM	QTY	DESCRIPTION	PART NUMBER
		Complete Drain Plumbing Assembly	05700-002-79-16
1	1	Shield, Upper Wash Arm	05700-002-89-37
2	1	Wash Manifold Weldment	05700-002-96-95
3	1	Shield, Lower Wash Arm	05700-002-89-38
4	1	Rail, Left Lower Wash Arm Weldment	05700-002-90-53
5	1	Gasket, Wash Manifold Mounting	05330-002-89-84
6	2	Tube, Main Drain	05700-002-66-12
7	1	Drain Pump Tube Assembly	05700-002-91-19
8	1	Drain Cup Weldment	05700-002-73-72
	1	Gasket, Drain Cup	05330-002-73-47
9	1	Valve, Ball, 1 1/2”	04820-111-71-46
	1	Handle, Ball Valve	05700-002-98-10
10	1	Elbow, 1 1/2” Brass	04730-206-32-00
11	1	1 1/2” MNPT x 1 1/2” Slip	04730-002-74-06
12	2	Connector, 2” No Hub	04730-002-66-87
13	1	Tube, Main Drain	05700-002-67-01
14	1	Tee, 2” PVC	04730-002-66-09
15	1	Bracket, Front Lower Wash Arm Weldment	05700-002-89-96
16	1	Bracket, Left, Locking Handle	05700-002-89-35
17	1	Bracket, Right, Locking Handle	05700-002-89-38
18	2	Handle, Arm Locking Weldment	05700-002-89-93
19	1	Rail, Right Lower Wash Arm Weldment	05700-002-90-54
20	1	Bracket, Front Upper Wash Arm Weldment	05700-002-89-97
21	1	Bracket, Right, Locking Handle	05700-002-89-38
22	1	Gasket, Locking Handle	05330-002-89-94
23	1	Bracket, Left, Locking Handle	05700-002-89-35
24	4	Lanyard, 6” Long	05340-011-72-46
	4	Cap, Threaded	04730-603-12-00
25	1	Wash Arm Weldment	05700-002-83-51
26	2	Wash Arm Assembly	05700-002-65-45
27	1	Prewash Transfer Tube Assembly	05700-002-80-05
28	1	Valve, Brass Globe	04820-002-91-46
29	1	Nipple, 1/2” Close Brass	04730-207-15-00
30	1	Transfer Tube Weldment	05700-002-71-46
31	1	Gasket, Final Rinse Plate	05330-002-67-61

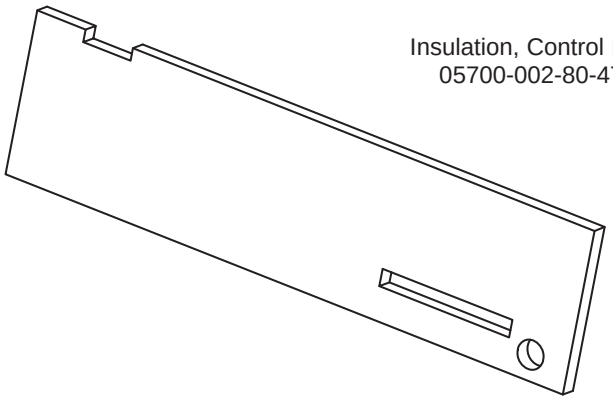
WASH SECTION ASSEMBLY



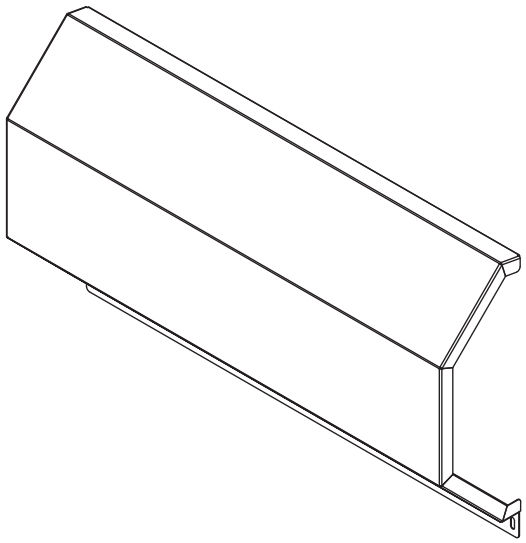
ITEM	QTY	DESCRIPTION	PART NUMBER
		Gasket, Tub	05700-002-86-10
1	6	Cover, Back	05700-002-64-41
	1	Foam, Back Cover	08115-002-71-33
2	1	Top Panel Cover	05700-002-64-40
	1	Top Panel Handle (not shown)	05700-002-67-21
3	1	Hose Assembly, 65" Wash Steam Coil Supply (JFT-S Only) (Not Shown)	05700-002-88-00
4	38	Gasket Spacers	05330-003-04-12

CONTROL BOX ASSEMBLY





Insulation, Control Box
05700-002-80-47



Cover, Control Box Weldment, L-R
05700-002-81-82

Decal, Warning-Disconnect Power
09905-100-75-93

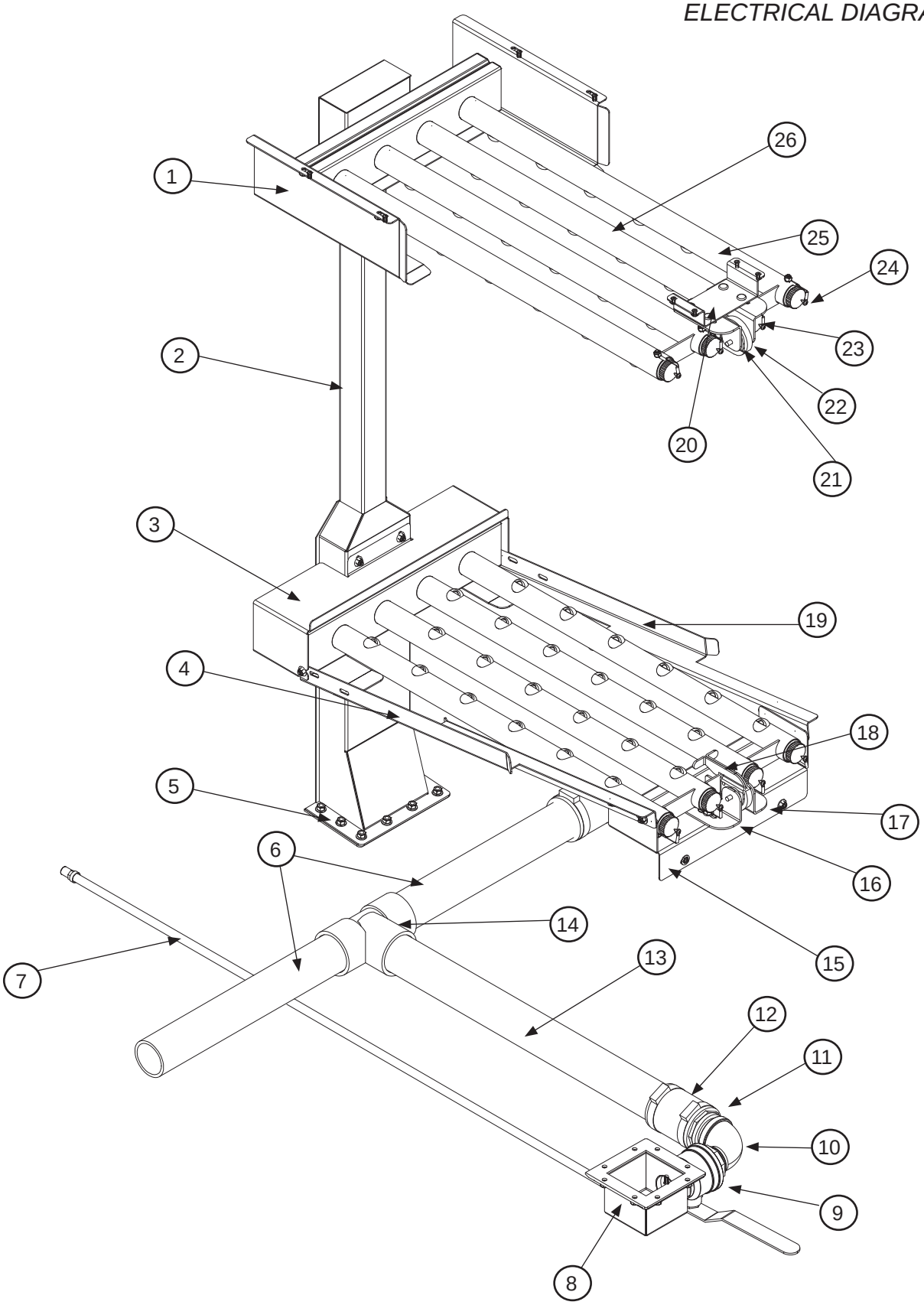
Decal, Drain Handle
05700-003-12-80

* Not used on steam unit.

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Control Box Weldment	05700-002-70-62
2	1	Thermostat	05930-003-16-65
	1	Kit, Thermostat Replacement	06401-003-18-66
3*	2	Thermostat, High Limit (JFT Only)	05930-002-83-31
4	1	Relay, 2 Pole	05945-111-35-19
5*	2	Contactor, 3 Pole, 50 A (JFT Only)	05945-002-24-70
6	1	Contactor, Wash Motor	05945-111-68-38
7	1	Din Rail	05700-002-16-00
8	1	Switch, Reed	05930-002-36-80
9	1	Grommet, 3 1/2 Dia. Rubber	05700-002-83-05
10	5	Block,Terminal	05940-011-48-27
11	1	Overload, Wash Motor, 10 - 16 Amp, 208-230V Units	05945-011-84-59
	1	Overload, Wash Motor, 5.5-8.5 Amp, 460V Units	05945-111-68-40
	1	Overload, Wash Motor, 4.0-6.3 Amp, 600V Units	05945-111-81-33
12	1	Panduit Cover	05700-002-84-94
13	1	Panduit Bottom	05700-002-84-95
14	1	Thermostat Cover	05700-002-70-61
15	1	Sensor, Swing Arm Level	06680-002-98-62
16	1	Grommet, 3 1/2 Dia. Rubber	05700-002-83-05

ARM & DRAIN PLUMBING ASSEMBLIES

ELECTRICAL DIAGRAM

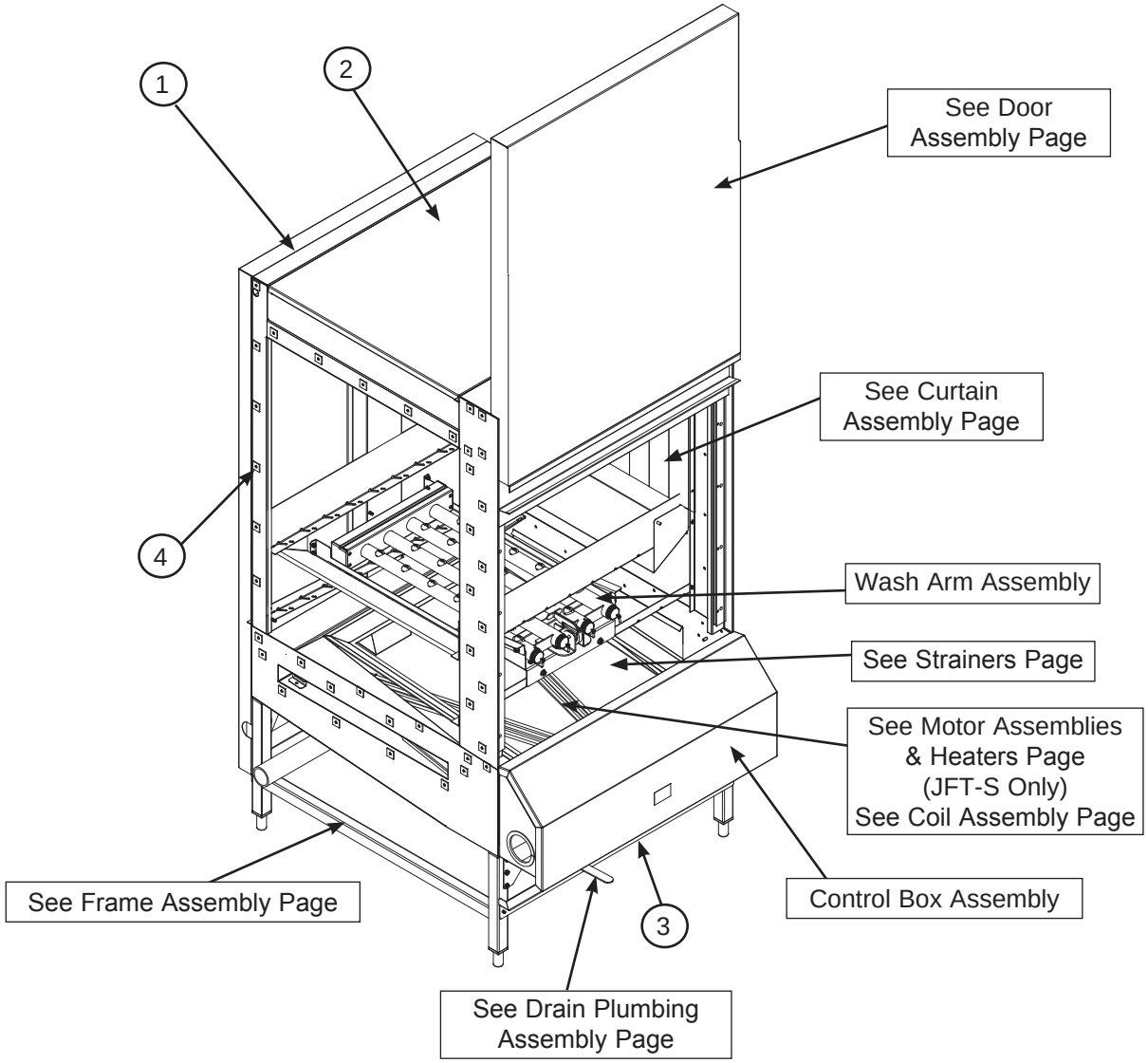


ARM & DRAIN PLUMBING ASSEMBLIES

ITEM	QTY	DESCRIPTION	PART NUMBER
		Complete Drain Plumbing Assembly	05700-002-79-16
1	1	Shield, Upper Wash Arm	05700-002-89-37
2	1	Wash Manifold Weldment	05700-002-96-95
3	1	Shield, Lower Wash Arm	05700-002-89-38
4	1	Rail, Left Lower Wash Arm Weldment	05700-002-90-53
5	1	Gasket, Wash Manifold Mounting	05330-002-89-84
6	2	Tube, Main Drain	05700-002-66-12
7	1	Drain Pump Tube Assembly	05700-002-91-19
8	1	Drain Cup Weldment	05700-002-73-72
	1	Gasket, Drain Cup	05330-002-73-47
9	1	Valve, Ball, 1 1/2”	04820-111-71-46
	1	Handle, Ball Valve	05700-002-98-10
10	1	Elbow, 1 1/2” Brass	04730-206-32-00
11	1	1 1/2” MNPT x 1 1/2” Slip	04730-002-74-06
12	2	Connector, 2” No Hub	04730-002-66-87
13	1	Tube, Main Drain	05700-002-67-01
14	1	Tee, 2” PVC	04730-002-66-09
15	1	Bracket, Front Lower Wash Arm Weldment	05700-002-89-96
16	1	Bracket, Left, Locking Handle	05700-002-89-35
17	1	Bracket, Right, Locking Handle	05700-002-89-38
18	2	Handle, Arm Locking Weldment	05700-002-89-93
19	1	Rail, Right Lower Wash Arm Weldment	05700-002-90-54
20	1	Bracket, Front Upper Wash Arm Weldment	05700-002-89-97
21	1	Bracket, Right, Locking Handle	05700-002-89-38
22	1	Gasket, Locking Handle	05330-002-89-94
23	1	Bracket, Left, Locking Handle	05700-002-89-35
24	4	Lanyard, 6” Long	05340-011-72-46
	4	Cap, Threaded	04730-603-12-00
25	1	Wash Arm Weldment	05700-002-83-51
26	2	Wash Arm Assembly	05700-002-65-45

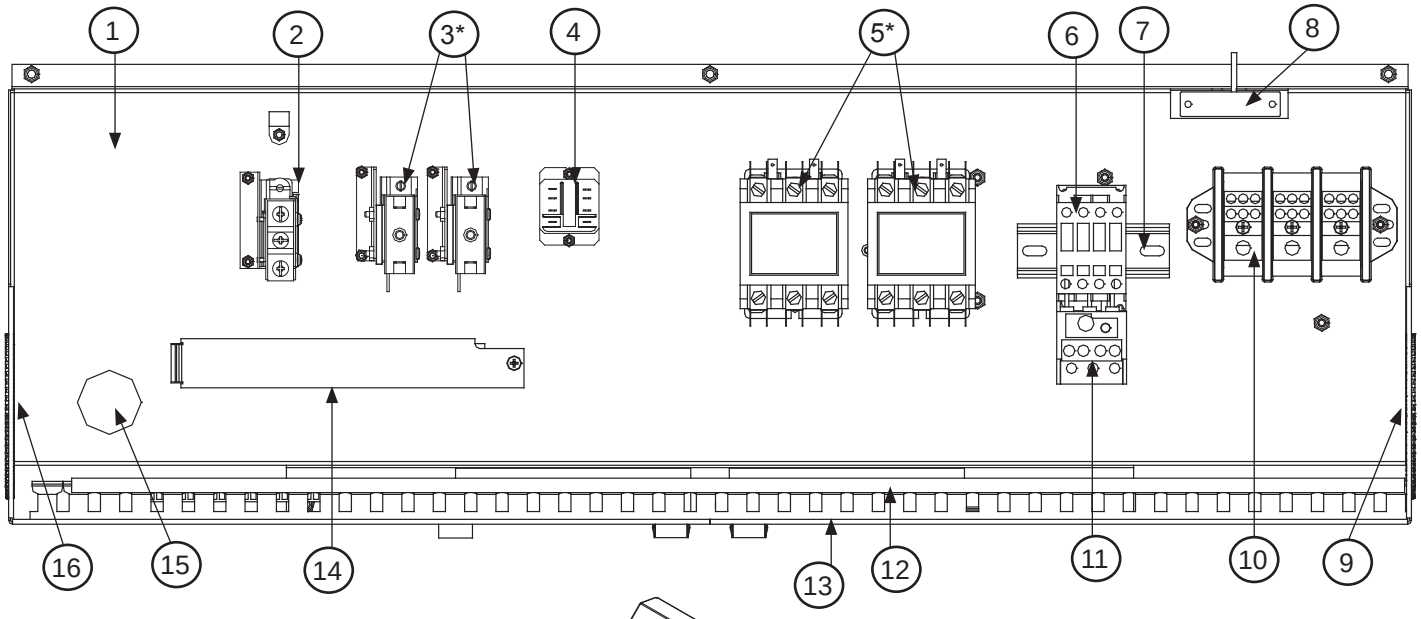
POWER RINSE SECTION ASSEMBLY

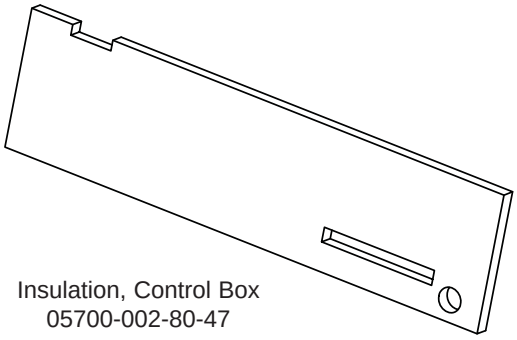
ELECTRICAL DIAGRAM



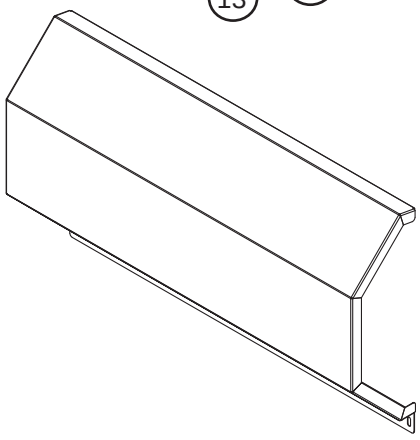
ITEM	QTY	DESCRIPTION	PART NUMBER
		Gasket, Tub	05700-002-86-10
1	6	Cover, Back	05700-002-64-41
	1	Foam, Back Cover	08115-002-71-33
2	1	Top Panel Cover	05700-002-64-40
	1	Top Panel Handle (not shown)	05700-002-67-21
3		Hose Assembly, 65" Wash Steam Coil Supply (JFT-S Only) (Not Shown)	05700-002-88-00
4	38	Gasket Spacers	05330-003-04-12

CONTROL BOX ASSEMBLY





Insulation, Control Box
05700-002-80-47



Cover, Control Box Weldment, L-R
05700-002-81-82

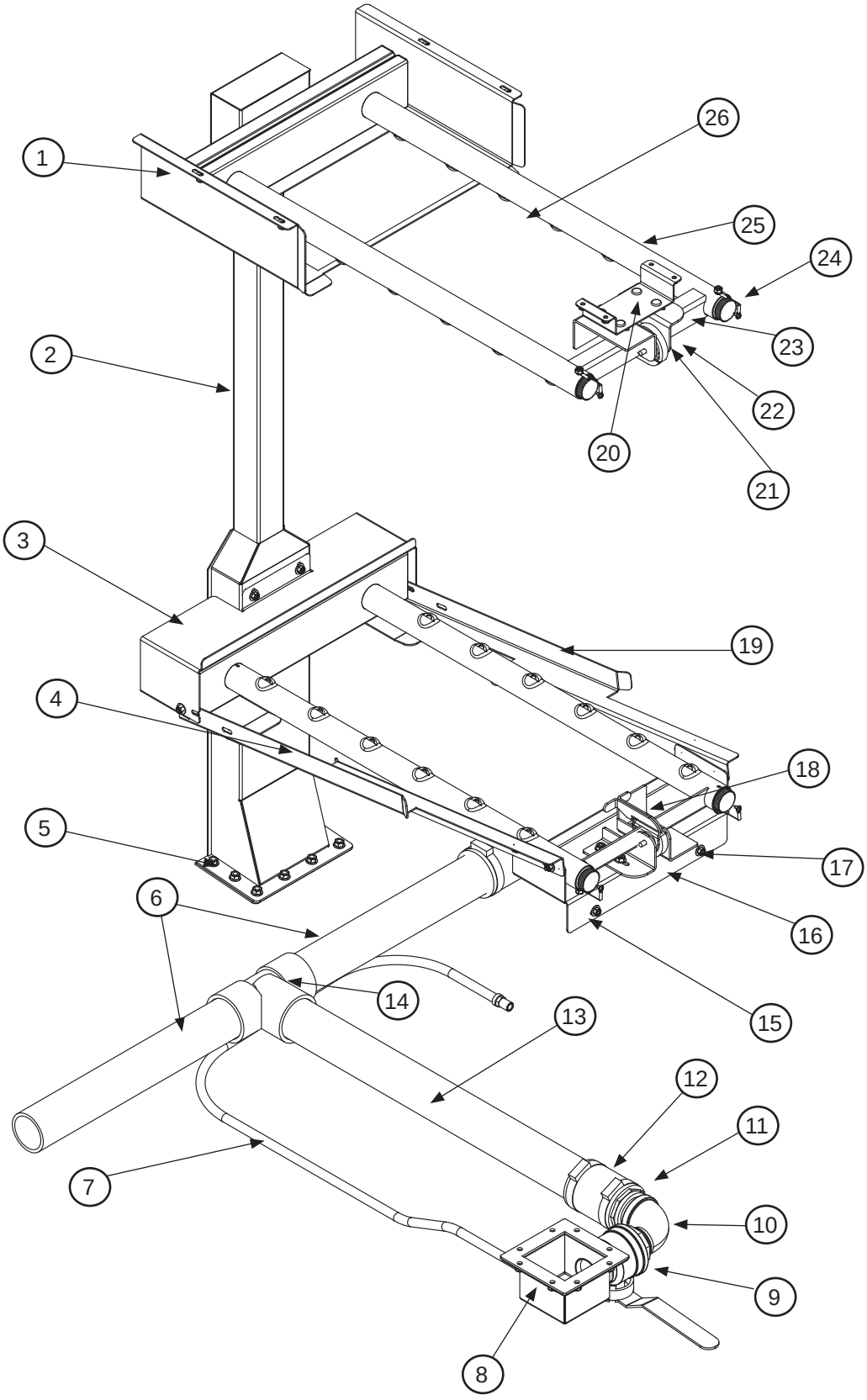
Decal, Warning-Disconnect Power
09905-100-75-93

Decal, Drain Handle
05700-003-12-80

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Control Box Weldment	05700-002-70-62
2	1	Thermostat	05930-003-16-65
	1	Kit, Thermostat Replacement	06401-003-18-66
3*	2	Thermostat, High Limit (JFT Only)	05930-002-83-31
4	1	Relay, 2 Pole	05945-111-35-19
5*	2	Contactor, 3 Pole, 50 A (JFT Only)	05945-002-24-70
6	1	Contactor, Wash Motor	05945-111-68-38
7	1	Din Rail	05700-002-16-00
8	1	Switch, Reed	05930-002-36-80
9	1	Grommet, 3 1/2 Dia. Rubber	05700-002-83-05
10	5	Block,Terminal	05940-011-48-27
11	1	Overload, Wash Motor, 10 - 16 Amp, 208-230V Units	05945-011-84-59
	1	Overload, Wash Motor, 5.5-8.5 Amp, 460V Units	05945-111-68-40
	1	Overload, Wash Motor, 4.0-6.3 Amp, 600V Units	05945-111-81-33
12	1	Panduit Cover	05700-002-84-94
13	1	Panduit Bottom	05700-002-84-95
14	1	Thermostat Cover	05700-002-70-61
15	1	Sensor, Swing Arm Level	06680-002-98-62
16	1	Grommet, 3 1/2 Dia. Rubber	05700-002-83-05

* Not used on steam unit.

ARM & DRAIN PLUMBING ASSEMBLIES

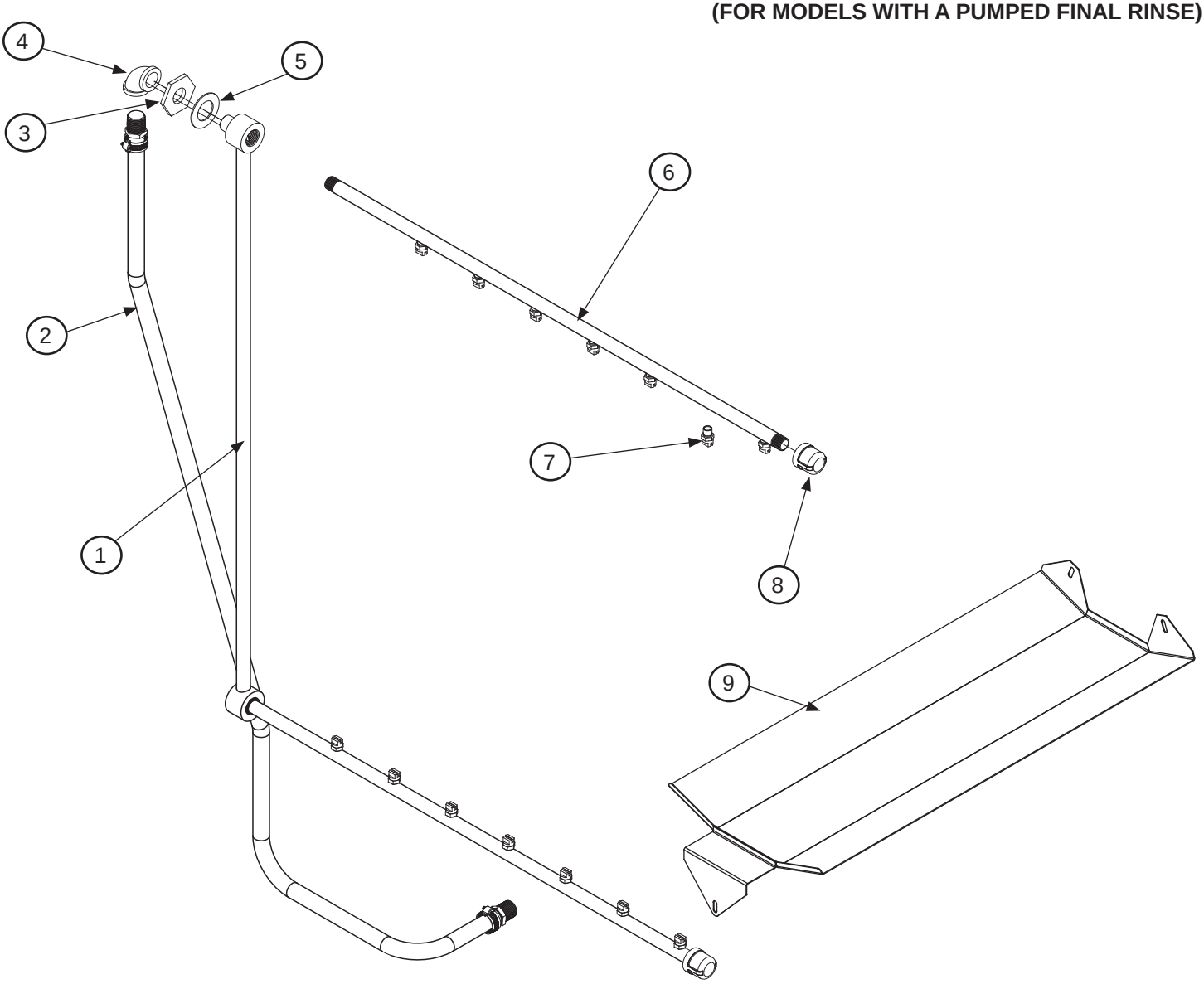


ARM & DRAIN PLUMBING ASSEMBLIES

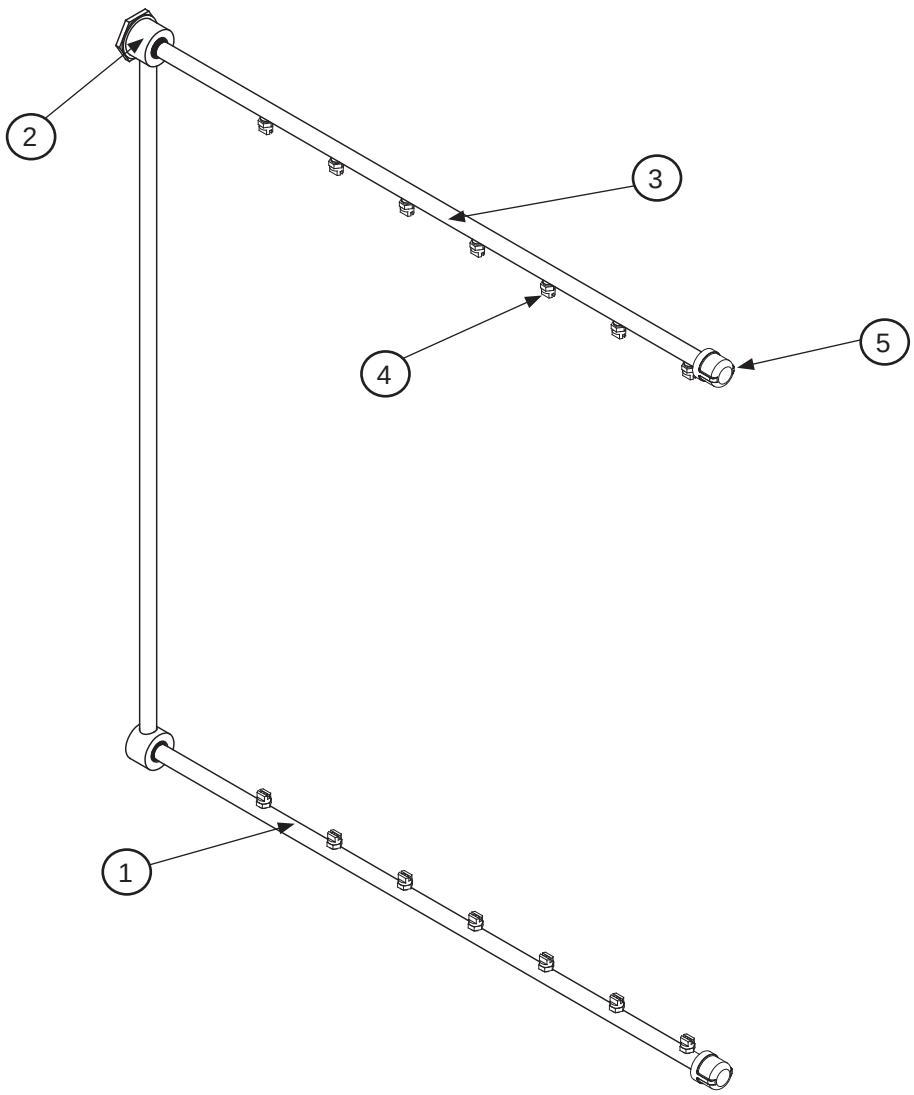
ITEM	QTY	DESCRIPTION	PART NUMBER
		Complete Drain Plumbing Assembly	05700-002-79-16
1	1	Shield, Upper Wash Arm	05700-002-89-37
2	1	Wash Manifold Weldment	05700-002-96-95
3	1	Shield, Lower Wash Arm	05700-002-89-38
4	1	Rail, Left Lower Wash Arm Weldment	05700-002-90-53
5	1	Gasket, Wash Manifold Mounting	05330-002-89-84
6	2	Tube, Main Drain	05700-002-66-12
7	1	Drain Pump Tube Assembly	05700-002-91-19
8	1	Drain Cup Weldment	05700-002-73-72
	1	Gasket, Drain Cup	05330-002-73-47
9	1	Valve, Ball, 1 1/2”	04820-111-71-46
	1	Handle, Ball Valve	05700-002-98-10
10	1	Elbow, 1 1/2” Brass	04730-206-32-00
11	1	1 1/2” MNPT x 1 1/2” Slip	04730-002-74-06
12	2	Connector, 2” No Hub	04730-002-66-87
13	1	Tube, Main Drain	05700-002-67-01
14	1	Tee, 2” PVC	04730-002-66-09
15	1	Bracket, Front Lower Wash Arm Weldment	05700-002-89-96
16	1	Bracket, Left, Locking Handle	05700-002-89-35
17	1	Bracket, Right, Locking Handle	05700-002-89-38
18	2	Handle, Arm Locking Weldment	05700-002-89-93
19	1	Rail, Right Lower Wash Arm Weldment	05700-002-90-54
20	1	Bracket, Front Upper Wash Arm Weldment	05700-002-89-97
21	1	Bracket, Right, Locking Handle	05700-002-89-38
22	1	Gasket, Locking Handle	05330-002-89-94
23	1	Bracket, Left, Locking Handle	05700-002-89-35
24	4	Lanyard, 6” Long	05340-011-72-46
	4	Cap, Threaded	04730-603-12-00
25	1	Wash Arm Weldment	05700-002-83-51
26	2	Wash Arm Assembly	05700-002-65-45

FINAL RINSE ASSEMBLY

(FOR MODELS WITH A PUMPED FINAL RINSE)

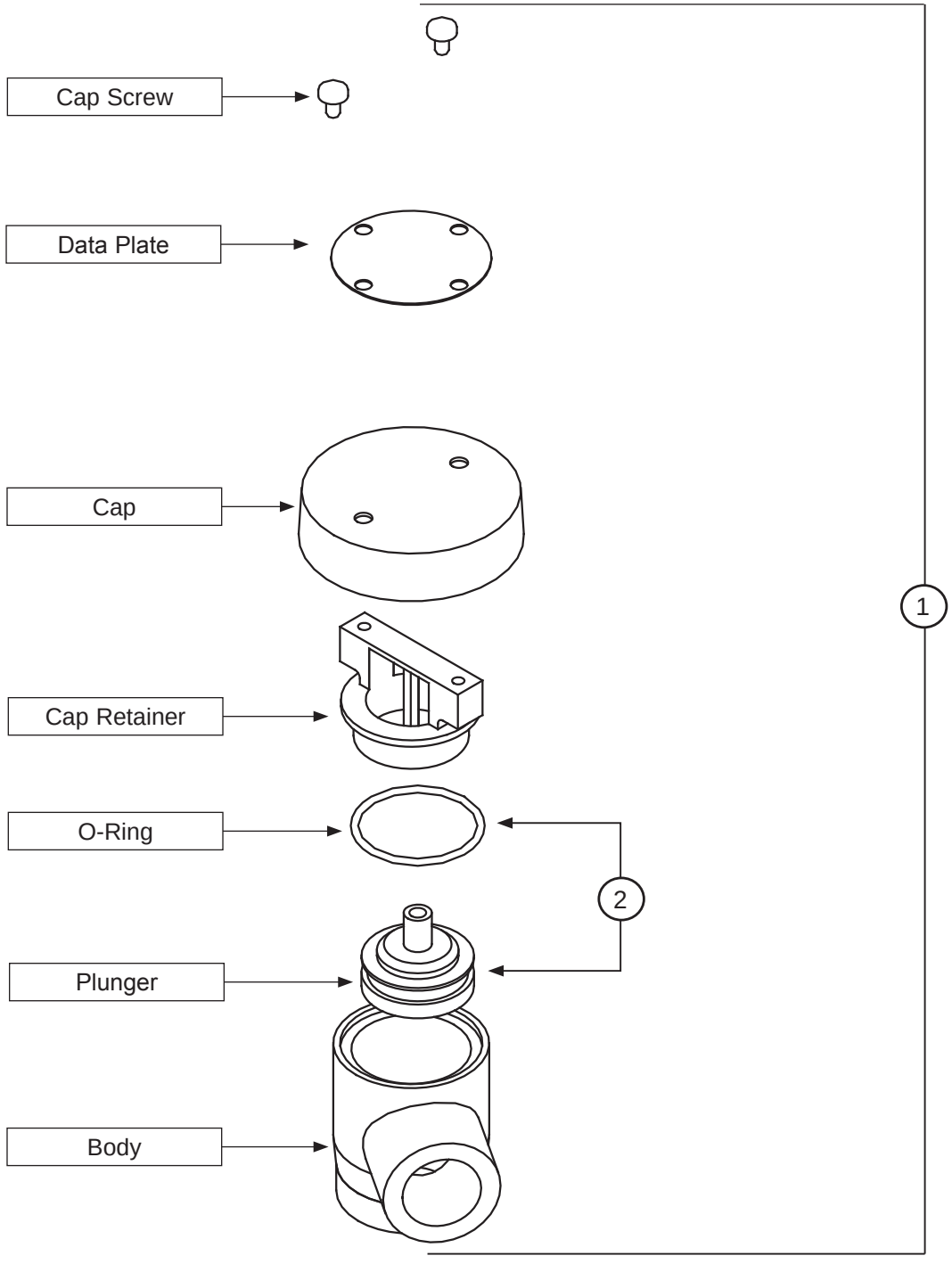


ITEM	QTY	DESCRIPTION	PART NUMBER
	1	Complete Final Rinse Assembly	05700-002-67-36
1	1	Rinse Manifold Weldment	05700-002-67-50
2	1	Final Rinse Hose Assembly	05700-002-88-02
3	1	Nut, 1/2” NSPT Brass	04730-002-67-88
4	1	Elbow, 1/2” NPT 90B Brass	04730-011-42-96
5	1	Gasket	05700-001-17-86
6	2	Final Rinse Arm	05700-002-67-37
7	14	Rinse Arm Jet	04730-002-73-31
8	2	Rinse Arm Cap	05700-002-02-19
9	1	Runoff Sheet Weldment	05700-002-84-91



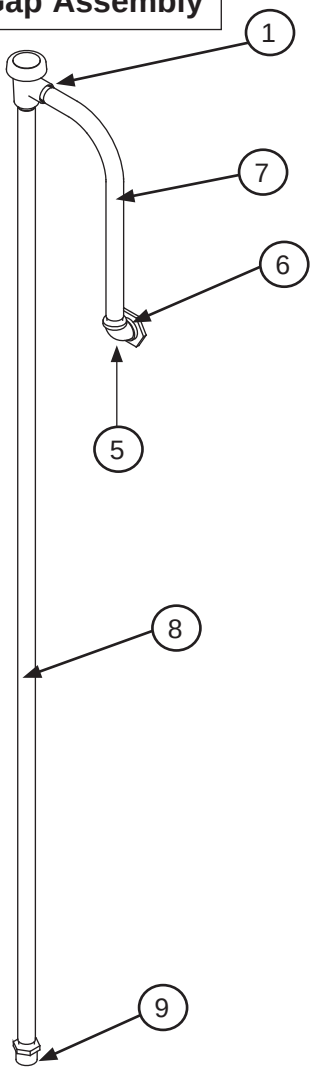
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Rinse Manifold Weldment	05700-002-67-50
2	1	Gasket, Steam Coil	05700-002-67-50
3	1	Final Rinse Arm	05700-002-67-37
4	14	Rinse Arm Jet	04730-002-73-31
5	2	Rinse Arm Cap	05700-002-02-19

3/4” VACUUM BREAKER REPAIR KIT

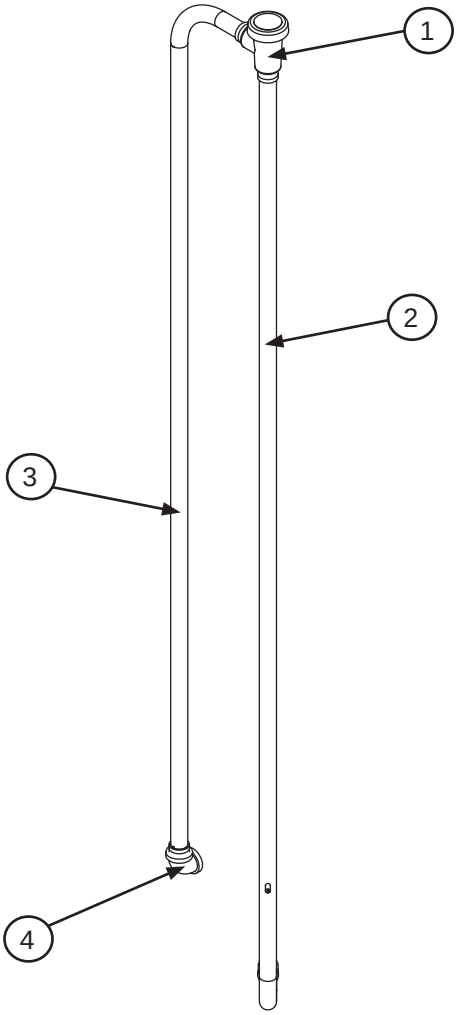


ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Complete Vacuum Breaker Assembly	04820-002-53-77
2	1	Components of Repair Kit	06401-003-06-24

Rinse Air Gap Assembly

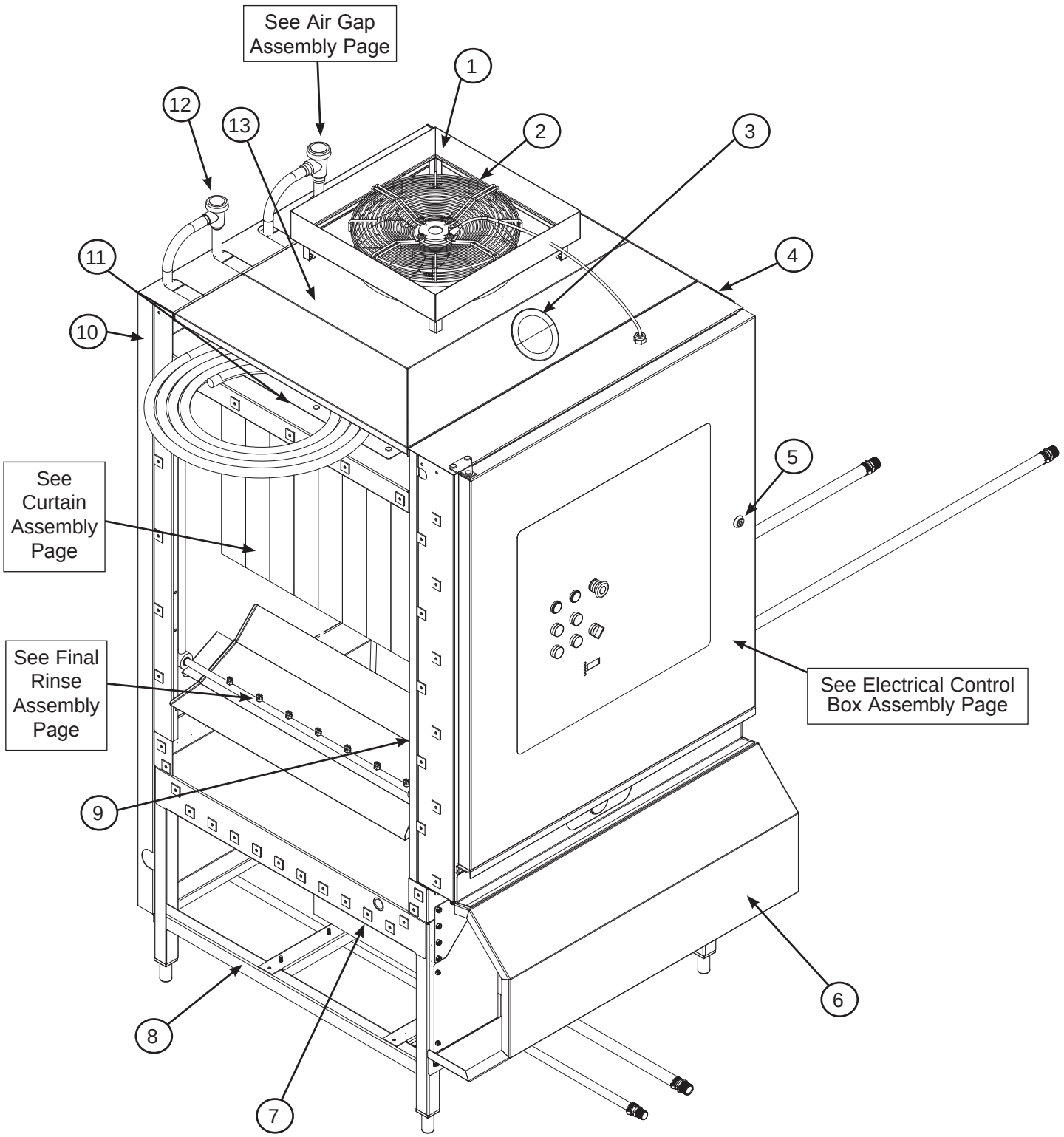


Air Gap Assembly



ITEM	QTY	DESCRIPTION	PART NUMBER
		Rinse Air Gap Assembly	05700-003-19-43
		Air Gap Assembly	05700-003-19-44
1	2	Vacuum Breaker Assembly	04820-002-53-77
2	1	Fill Tube Weldment	05700-002-67-62
3	1	Fill Tube Weldment, 53-1/2”	05700-003-19-42
4	1	Elbow, 3/4”, 90B Brass	04730-206-13-00
5	1	Elbow, 1/2” NPT x 90 Deg. Brass	04730-011-42-96
6	1	Nut, Jam, 1/2” SPT	04730-002-67-88
7	1	Fill Tube Weldment	05700-003-07-10
8	1	Fill Tube Weldment, 56-1/2”	05700-003-19-40
9	1	Bushing, Hix 3/4” MNPT - 1/2” FNPT Brass	04730-002-56-27

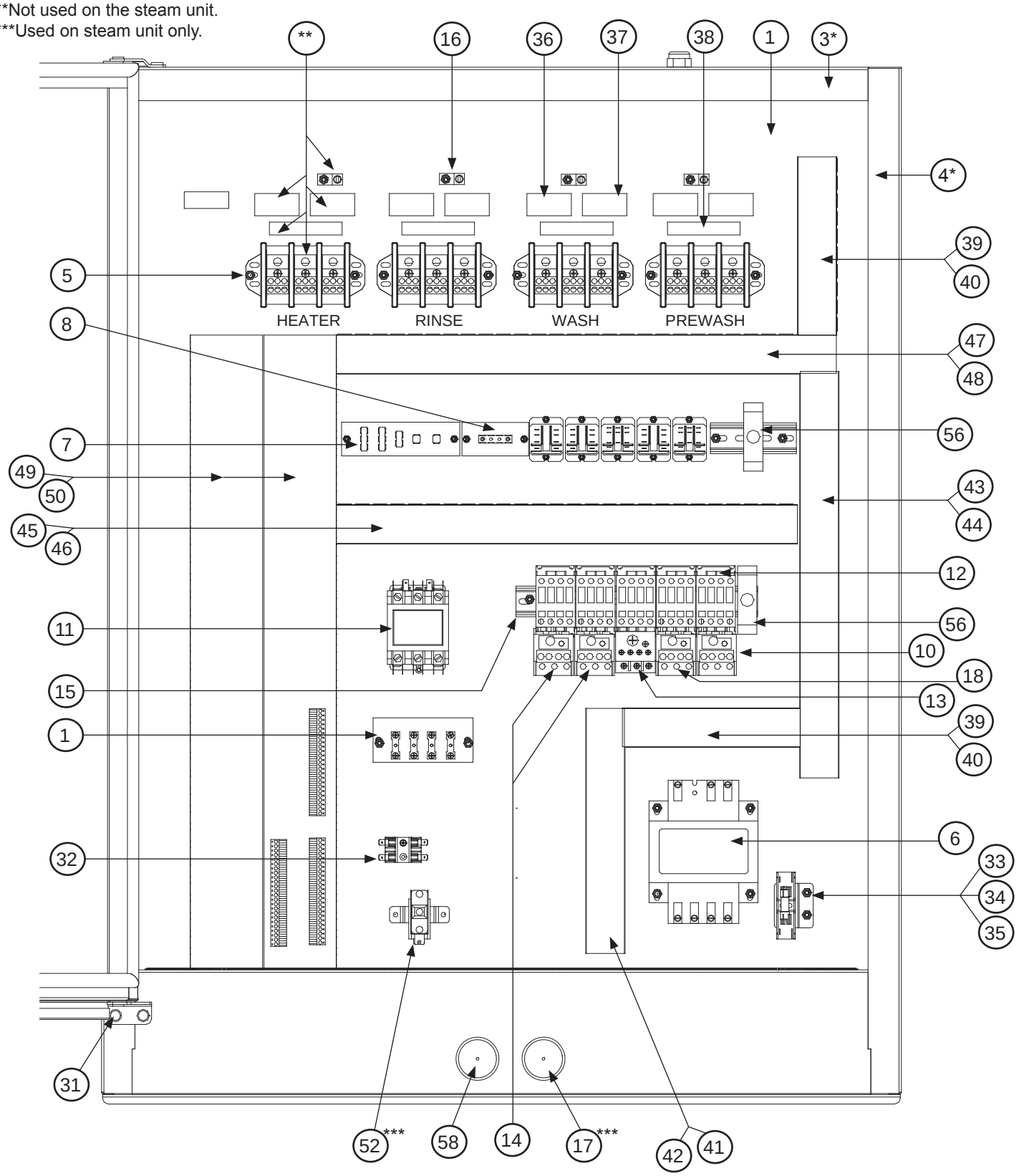
ELECTRICAL SECTION ASSEMBLY



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Adapter, Vent Weldment	05700-003-04-37
2	1	Vent Exhaust Fan	06105-002-86-46
3	1	Top Panel Handle	05700-002-67-21
4	1	End Cap Panel Weldment (not shown)	05700-002-70-99
5	1	Latch, Door Compression	05340-002-80-97
6	1	Lower Cover Weldment, L-R	05700-002-71-63
	1	Lower Cover Weldment, R-L	05700-002-88-29
7	38	Gasket Spacers (not shown)	05330-003-04-12
8	1	Frame Assembly	05700-003-05-28
9	1	Rail Addition (not shown)	05700-002-85-78
10	1	Rear Dress Panel	05700-002-72-53
	1	Foam, Back Cover	08115-002-71-33
11	1	Vent Damper, 2 per (Located beneath the Exhaust Panel)	05700-002-83-78
12		No Pump Final Rinse Assembly	05700-003-07-15
13	1	Exhaust Panel Weldment	05700-002-99-23

ELECTRICAL CONTROL BOX ASSEMBLY

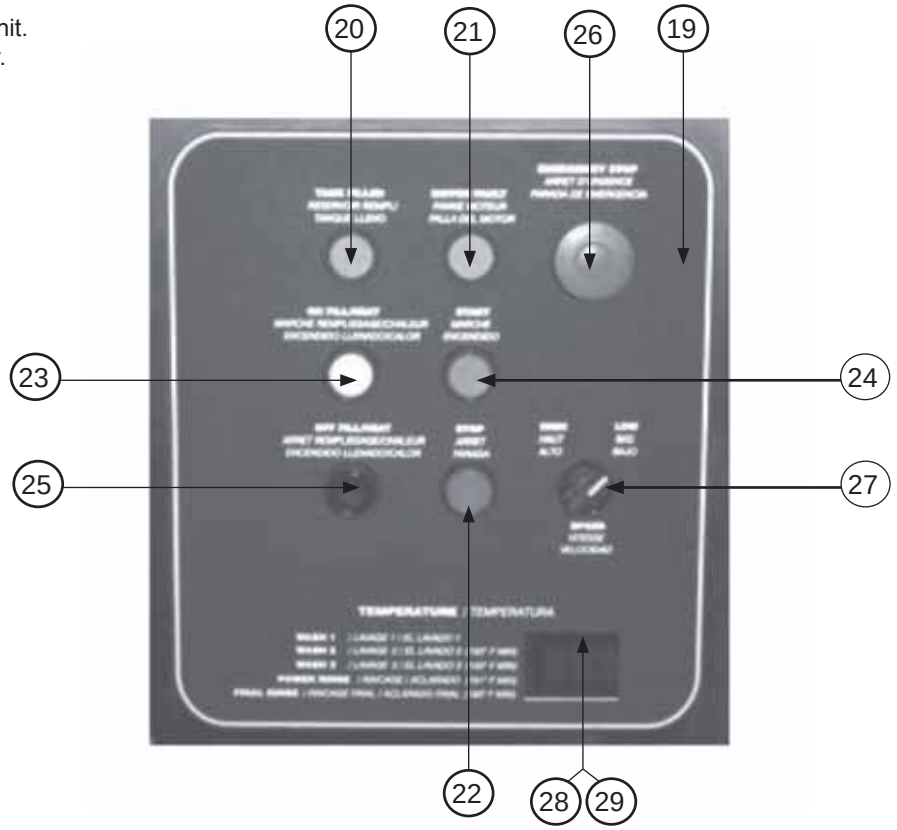
*Item not shown.
**Not used on the steam unit.
***Used on steam unit only.



ELECTRICAL CONTROL BOX ASSEMBLY

(CONTINUED)

*Item not shown.
**Not used on the steam unit.
***Used on steam unit only.



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Terminal Board	05940-021-89-41
2	3	Relay, 2 Pole	05945-111-35-19
3*	2	Seal, Electrical Box Short (Not Shown)	05700-002-86-48
4*	2	Seal, Electrical Box Long (Not Shown)	05700-002-86-49
5	4	Block (Only 3 used on JFT-S)	05940-011-48-27
6	1	Transformer, 208-115V, 500VA, 208 unit	05950-002-95-32
	1	Transformer, 240/480V-12, 5KVA, 240-460 unit	05950-002-46-10
7	1	Terminal Board	05940-002-78-97
8	1	Terminal Board, 8 Position	05940-021-94-85
9	2	Relay, 3 Pole	05945-111-72-51
10	1	Refer to page entitled Motor Overloads	N/A
11**	1	Contactor, 3 Pole, 50A (JFT Only)	05945-002-24-70
12	5	Contactor, Wash Motor	05945-111-68-38
13	1	Refer to page entitled Motor Overloads	N/A
14	2	Refer to page entitled Motor Overloads	N/A

ELECTRICAL CONTROL BOX ASSEMBLY

(CONTINUED)

ITEM	QTY	DESCRIPTION	PART NUMBER
15	1	Din Rail, 10 7/8”	05700-002-93-96
16	4	Ground Lug (Only 3 used on JFT-S)	05940-200-76-00
17***	1	Steam Pressure Gauge, 0-60	06685-002-93-43
18	1	Refer to page entitled Motor Overloads	N/A
19	1	Decal, Flight Control Panel (Jackson) (not shown)	09905-002-97-87
20	1	Light, Green	05945-002-80-79
21	1	Light, Amber	05945-002-80-83
22	1	Switch, Stop	05930-002-80-73
23	1	Switch, ON/FILL Heat	05930-002-80-59
24	1	Switch, Start	05930-002-80-60
25	1	Switch, OFF/FILL Heat	05930-002-80-69
26	1	Switch, Emergency Stop	05930-002-80-72
27	1	Switch, Speed	05930-002-80-74
28	1	Gauge, Cyclic (Temperature)	06685-002-74-86
29	1	Gauge Cover	05700-002-75-62
30	1	Hinge, Upper Control Box	05700-002-70-45
31	1	Hinge, Lower Control Box	05700-002-71-59
32	1	Fuse Holder	05920-401-03-14
33	1	Bracket, Circuit Breaker Mounting	05700-002-91-66
34	1	Fuse Holder	05920-011-72-89
35	1	Fuse, 2A, 460V (208-240V units)	05920-002-67-30
		Fuse, 1A, 460V (460-600V units)	05920-002-67-23
36	4	Decal, Connection Point Caution (Only 3 used on JFT-S)	09905-002-87-00
37	4	Decal, Connection Point Wiring (Only 3 used on JFT-S)	09905-002-87-01
38	4	Decal, L1, L2, L3 (Only 3 used on JFT-S)	09905-101-12-66
39	2	Top, Panduit 1 1/2” x 8”	05700-002-87-28
40	2	Bottom, Panduit 1 1/2” x 8”	05700-002-91-61
41	1	Top, Panduit 1 1/2” x 11”	05700-002-87-27
42	1	Bottom, Panduit 1 1/2” x 11”	05700-002-87-26
43	1	Top, Panduit 1 1/2” x 18 1/4”	05700-002-91-62
44	1	Bottom, Panduit 1 1/2” x 18 1/4”	05700-002-91-63

ELECTRICAL CONTROL BOX ASSEMBLY

(CONTINUED)

ITEM	QTY	DESCRIPTION	PART NUMBER
45	1	Top, Panduit 1 1/2” x 20 3/4”	05700-002-87-24
46	1	Bottom, Panduit 1 1/2” x 20 3/4”	05700-002-87-25
47	1	Top, Panduit 1 1/2” x 22 1/2”	05700-002-87-23
48	1	Bottom, Panduit 1 1/2” x 22 1/2”	05700-002-87-20
49	2	Top, Panduit 3” x 28”	05700-002-87-30
50	2	Bottom, Panduit 3” x 28”	05700-002-87-29
51		Key, Control Box 5/16 Hex	05340-002-94-50
52***	1	Thermostat, Corkscrew (Note: Placed in control box in upside-down postion)	06680-500-01-77
53*	3	Plug, Female 24 Position	05935-002-93-15
54*	1	Transformer, 600-208V, 3KVA, 600V unit (Used for the drive, blower, and exhaust fan)	05950-002-94-68
55*	1	Transformer, 600-120V, .5KVA, 600V unit (Used for controls)	05950-002-94-98
56	2	Delay Timer (Uses 2 for a unit with a blower)	05945-011-65-44
	1	Din Rail	05700-002-16-00
57*	1	Grommet, 34 1/2” Assembly	05700-003-12-00
58	1	Water Pressure Gauge, 0-100	06680-011-86-42
59*	1	Brace, control Box Door	05700-003-24-58
60*	4	Button Guard, Control Box	05700-003-23-24

*Item not shown.
**Not used on the steam unit.
***Used on steam unit only.

MOTOR OVERLOADS CHART

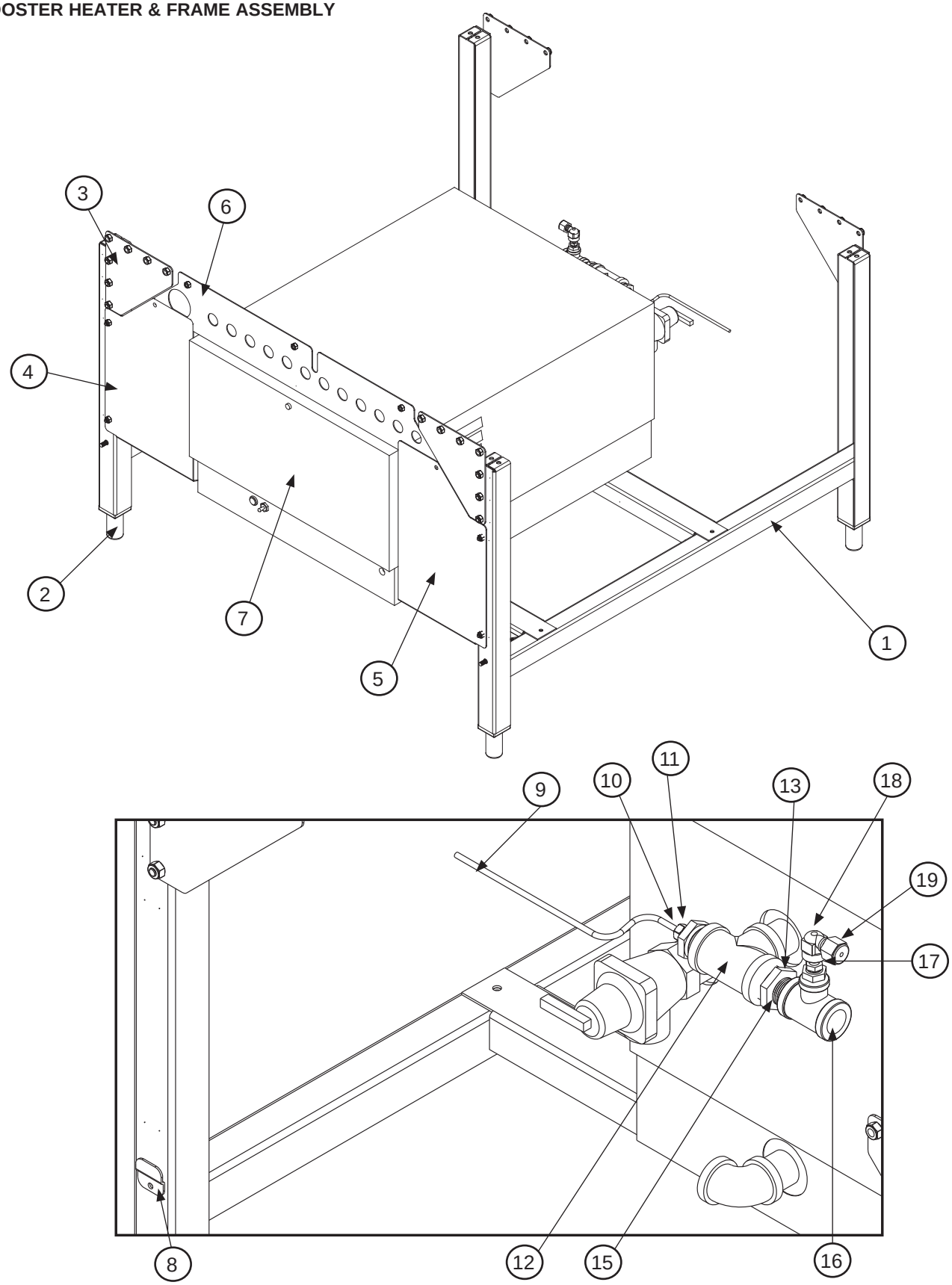
JFT	Prewash Motor	Wash Motor	Rinse Motor	Optional Final Rinse Motor
208V, 60HZ, 3PH	05945-011-84-59	05945-011-84-59	05945-111-68-40	05945-111-68-41
240V, 60HZ, 3PH	05945-011-84-59	05945-011-84-59	05945-111-68-40	05945-111-68-41
460V, 60HZ, 3PH	05945-111-68-40	05945-111-68-40	05945-111-68-41	05945-111-69-13
600V, 60HZ, 3PH	05945-111-69-13	05945-111-69-13	05945-111-69-12	05945-111-68-39

JFT	Drive Motor	Exhaust Fan Motor	Blower Dryer Motor
208V, 60HZ, 3PH	05945-111-69-13	05945-111-68-39	05945-111-68-40
240V, 60HZ, 3PH	05945-111-69-13	05945-111-68-39	05945-111-68-40
460V, 60HZ, 3PH	05945-002-71-09	05945-111-69-12	05945-111-68-41
600V, 60HZ, 3PH	05945-111-68-39	05945-111-68-39	05945-111-68-40

JFT-S	Prewash Motor	Wash Motor	Rinse Motor	Optional Final Rinse Motor
208V, 60HZ, 3PH	05945-011-84-59	05945-011-84-59	05945-111-68-40	05945-111-68-41
240V, 60HZ, 3PH	05945-011-84-59	05945-011-84-59	05945-111-68-40	05945-111-68-41
460V, 60HZ, 3PH	05945-111-68-40	05945-111-68-40	05945-111-68-41	05945-111-69-13
600V, 60HZ, 3PH	05945-111-69-13	05945-111-69-13	05945-111-69-12	05945-111-68-39

JFT-S	Drive Motor	Exhaust Fan Motor	Blower Dryer Motor
208V, 60HZ, 3PH	05945-111-69-13	05945-111-68-39	05945-111-68-40
240V, 60HZ, 3PH	05945-111-69-13	05945-111-68-39	05945-111-68-40
460V, 60HZ, 3PH	05945-002-71-09	05945-111-69-12	05945-111-68-41
600V, 60HZ, 3PH	05945-111-69-13	05945-111-68-39	05945-111-68-40

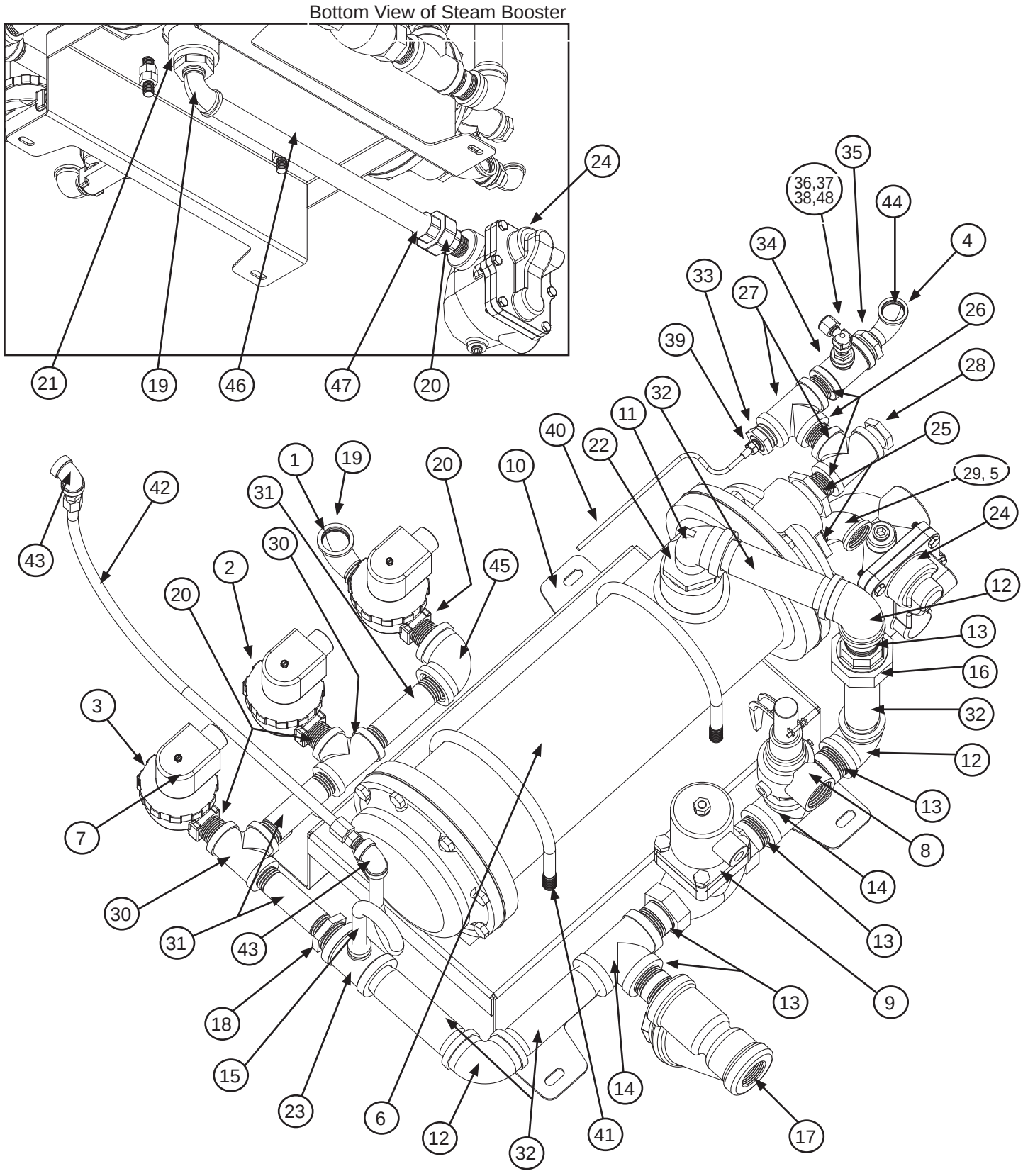
BOOSTER HEATER & FRAME ASSEMBLY



BOOSTER HEATER & FRAME ASSEMBLY (CONTINUED)

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Stand, Weldment	05700-002-70-51
2	4	Bullet Foot	05340-108-02-06
3	4	Support Bracket	05700-002-64-07
4	1	Panel, Dryer Lower Left	05700-002-72-04
5	1	Panel, Dryer Lower Right	05700-002-90-40
6	1	Bracket, Conduit Electrical Section	05700-002-86-96
7	1	Heater, 27KW, 208V, 3PH Booster	04540-500-05-00
	1	Heater, 27KW, 240V, 3PH Booster	04540-500-02-00
	1	Heater, 27KW, 460V, 3PH Booster	04540-500-12-00
	1	Heater, 45KW, 600V, 3PH Booster	04540-002-94-73
8	2	Clip, Panel	05700-002-90-41
9	1	Temperature Probe	06680-002-16-80
10	1	Fitting, Imperial Brass	05310-924-02-05
11	1	Fitting, Thermostat Booster Heater	05700-002-93-74
12	1	Tee, 3/4” x 3/4” x 3/4” NPT Brass	04730-211-01-34
13	1	Bushing, Hex 3/4” MNPT x 1/2” FNPT Brass	04730-002-56-27
14	1	Nipple, Close 1/2” Brass	04730-207-15-00
15	1	Tee, 1/2” x 1/2” x 1/4” FNPT Brass	04730-002-22-56
16	1	Bushing, 1/4” x 1/8” Stainless	04730-003-05-61
17	1	Valve, Check	04820-111-51-14
18	1	Outlet Elbow Ftg.	04820-111-51-18
19	1	Nut, P/P For 1/8” Tubing	04730-011-59-45
20	1	Elbow, 3/4” 90B NPT Brass	04730-206-13-00

STEAM BOOSTER ASSEMBLY



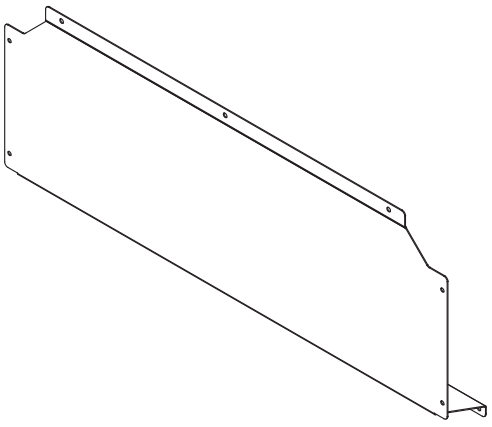
STEAM BOOSTER ASSEMBLY (CONTINUED)

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Hose Assembly, 34” Supply (Not Shown)	05700-002-87-99
2	1	Hose Assembly, 65” Wash Steam Coil Supply (Not Shown)	05700-002-88-00
3	1	Hose Assembly, 21” Power Rinse Steam Coil Supply (Not Shown)	05700-002-88-01
4	1	Hose Assembly, 1/2” x 50” Final Rinse (Not Shown)	05700-002-88-02
5	1	Hose Assembly, 109” Booster Heater Supply (Not Shown)	05700-002-88-05
6	1	Heat Exchanger, Steam M-120	04420-002-43-94
7	3	Valve, Solenoid, Steam 120V, 3/4”	04820-011-87-39
8	1	Valve, Safety Relief 1” NPT	04820-100-01-35
9	1	Valve, Solenoid, 1”	04820-002-92-23
10	1	Bracket, Steam Support	05700-002-86-93
11	1	Elbow, Street, 1” Black Iron	04730-002-86-58
12	3	Elbow, 1” NPT 90B Black Iron	04730-906-03-34
13	5	Nipple, 1” NPT, Close Black Iron	04730-907-08-34
14	2	Tee, 1” x 1” x 1”, Black Iron	04730-911-01-34
15	1	Nipple, Pigtail, 1/4” NPT Black Iron	04730-907-14-34
16	1	Union, 1” Black Iron	04730-912-01-34
17	1	Y-Strainer, 1” NPT Black Iron	04730-217-02-32
18	1	Reducer, 1” to 3/4”	04730-011-95-66
19	2	Elbow, 3/4” NPT 90B Street	04730-011-87-37
20	4	Nipple, Close 3/4” Black Iron	04730-907-01-00
21	1	Bushing, 1 1/2” x 3/4” Black Iron	04730-002-36-81
22	1	Bushing, 1 1/2” MNPT x 1” FNPT Black Iron	04730-002-36-79
23	1	Tee, 1” x 1” x 1/4” Black Iron	04730-911-01-00
24	1	Steam Trap, 3/4” NPT (F & T Type)	06680-500-02-77
25	2	Bushing, Hex 1 1/4” 3/4” Reducer	04730-011-88-80
26	3	Nipple, 3/4” NPT Close Brass Nipple	04730-207-34-00
27	2	Tee, 3/4” x 3/4” x 3/4” NPT Brass	04730-211-01-34
28	1	Bushing, 3/4” MNPT x 3/8” FNPT Brass	04730-011-89-19
29	1	Elbow, 3/4” Street Brass 90B	04730-206-04-34
30	2	Tee, 3/4” x 3/4” x 3/4” NPT Black Iron	04730-002-74-14
31	3	Nipple, 3/4” x 4” Black Iron	04730-907-02-34

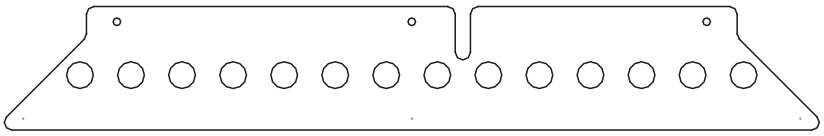
STEAM BOOSTER ASSEMBLY (CONTINUED)

ITEM	QTY	DESCRIPTION	PART NUMBER
32	4	Nipple, 1” NPT x 4” Long, Black Iron	04730-907-09-34
33	1	Fitting, Thermostat Weldment	05700-002-93-74
34	1	Tee, 3/4” x 3/4” x 1/4” NPT Brass	04730-211-04-00
35	1	Bushing, Hex 3/4” MNPT x 1/2” FNPT Brass	04730-002-56-27
36	1	Valve, Check	04820-111-51-14
37	1	Nut, P/P For 1/8” Tubing	04730-011-59-45
38	1	Fitting, Outlet Elbow	04820-111-51-18
39	1	Fitting, 1/4” Imperial Brass	05310-924-02-05
40	1	Probe, Temperature	06680-002-16-80
41	2	Bolt, U Type 1/2”-13	05306-002-89-27
42	1	Hose, SS Braid	04720-002-93-78
43	2	Elbow, 90B 1/4” FNPT Black Iron	04730-002-87-10
44	1	Elbow, 1/2” NPT 90B Street	04730-206-08-00
45	1	Elbow, 3/4” NPT 90B Black Iron	04730-906-10-34
46	1	Nipple, 3/4” NPT x 14 3/4” Long, Black Iron	05700-002-21-22
47	1	Union, 3/4” Black Iron	04730-912-01-01
48	1	Bushing, 1/4” x 1/8” Stainless	04730-003-05-61

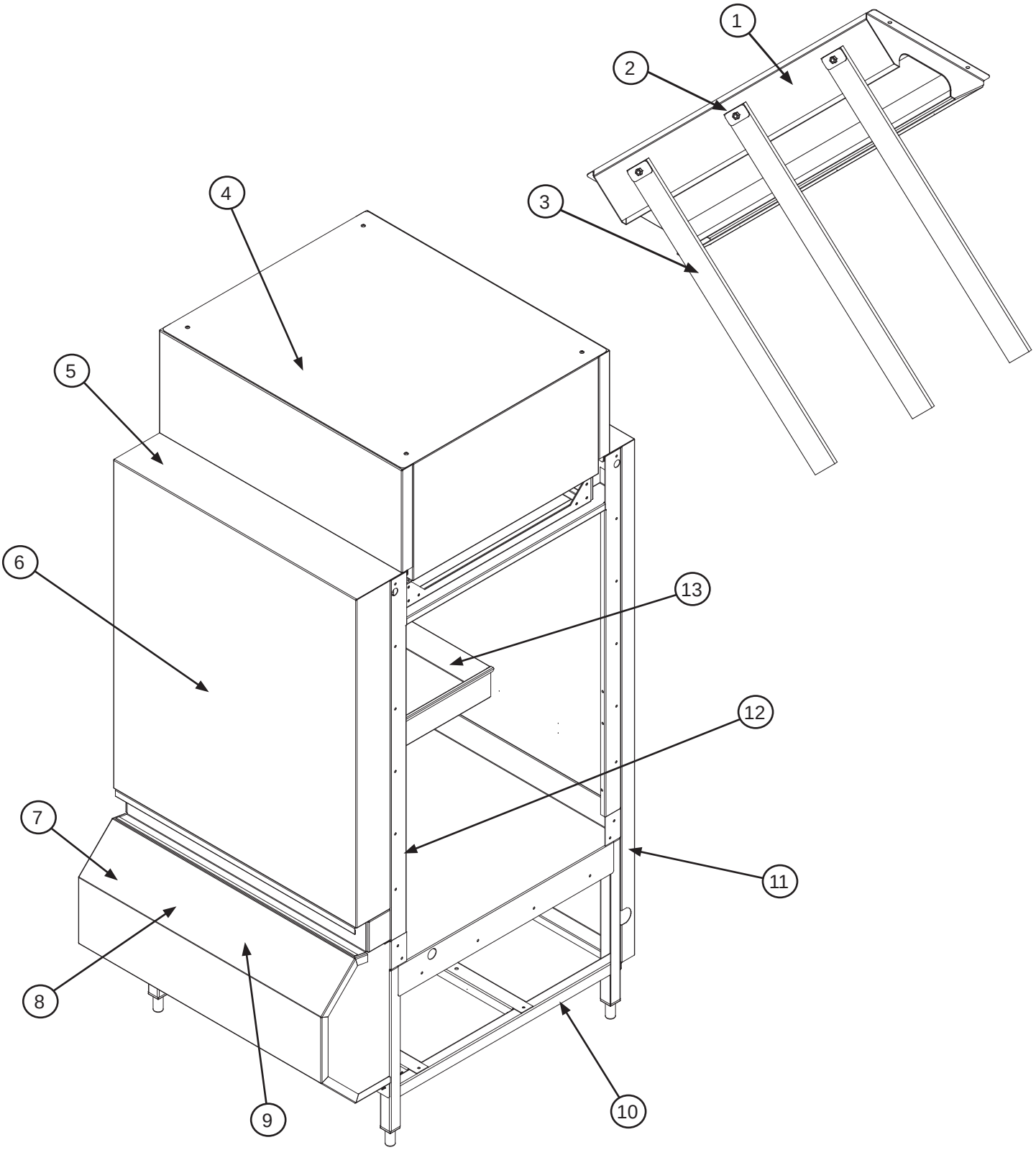
Panel, Lower Steam Electric Section
05700-002-86-97



Panel, Lower Steam Electric Section
05700-002-86-97



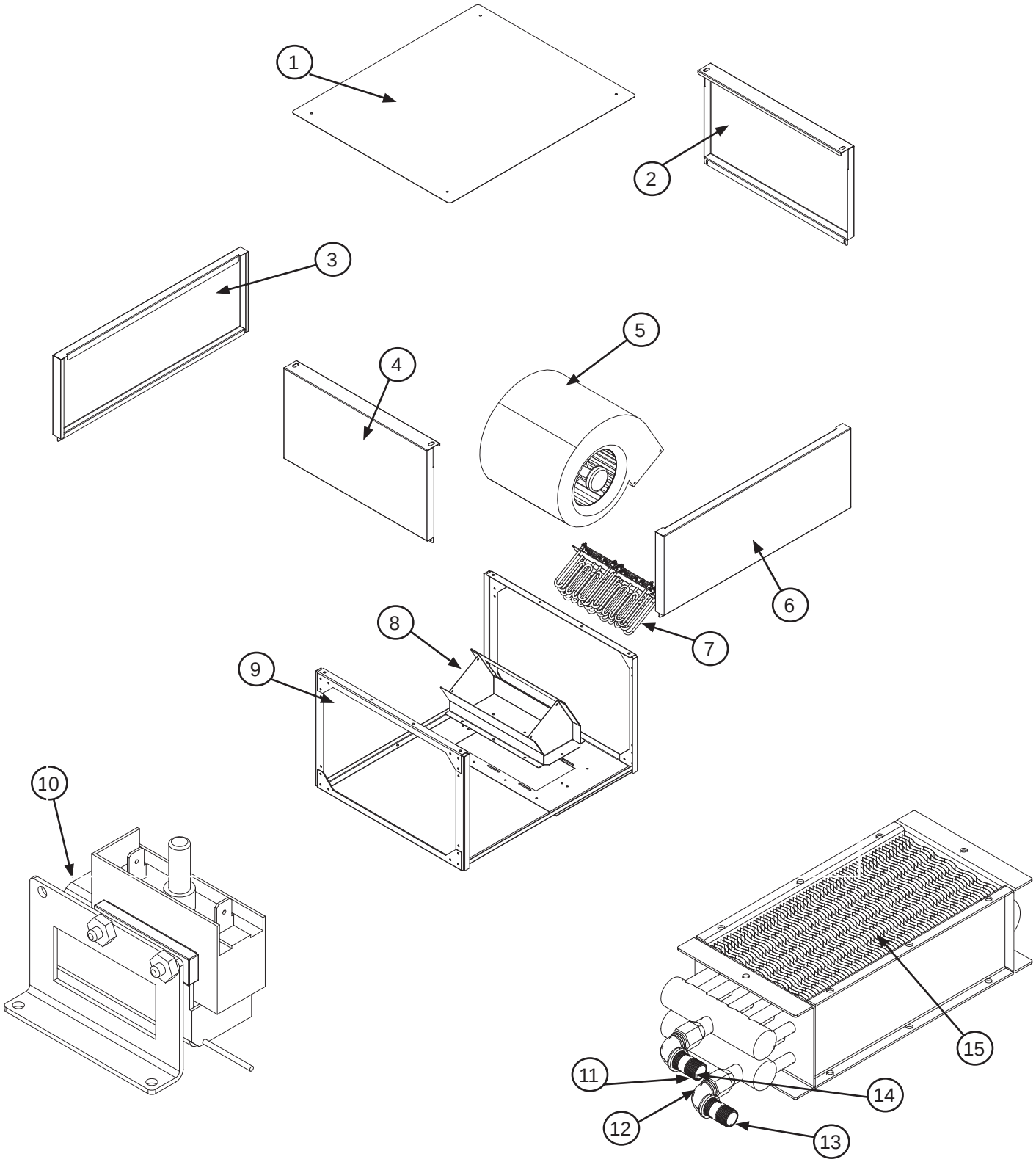
BLOWER DRYER SECTION ASSEMBLY



BLOWER DRYER SECTION ASSEMBLY

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Blower Air Knives Box Weldment	05700-002-72-78
2	3	Stabilizer Bracket	05330-003-04-44
3	3	Dish Stabilizers	05330-003-04-43
4	1	Blower Assembly, JFT	05700-002-70-21
	1	Blower Assembly, JFT-S	05700-002-76-86
5	1	Front Panel Weldment	05700-002-88-26
6	1	Hose, Blower Section Inlet Assembly (JFT-S Only) (not shown)	05700-002-87-98
	1	Nipple, Close 3/4” Black Iron (JFT-S Only) (not shown)	04730-907-01-00
	1	Elbow, 3/4” NPT 90B Street, Black Iron (JFT-S Only) (not shown)	04730-011-87-37
7	1	Lower Cover Weldment, L-R	05700-002-71-63
	1	Lower Cover Weldment, R-L	05700-002-88-29
8	1	Steam Trap (JFT-S Only) (not shown)	06680-002-86-73
	1	Nipple, Close 3/4” Black Iron (JFT-S Only) (not shown)	04730-907-01-00
9	1	Hose, Blower Steam Trap Assembly (JFT-S Only) (not shown)	05700-002-87-97
	1	Nipple, Close 3/4” Black Iron (JFT-S Only) (not shown)	04730-907-01-00
	1	Elbow, 3/4” NPT 90B Street, Black Iron (JFT-S Only) (not shown)	04730-011-87-37
10	1	Frame Assembly	05700-002-86-26
11	1	Cover, Back	05700-002-64-41
12	2	Rail Addition (not shown)	05700-002-85-78
13	1	Baffle, Lower Blower Air	05700-002-84-92

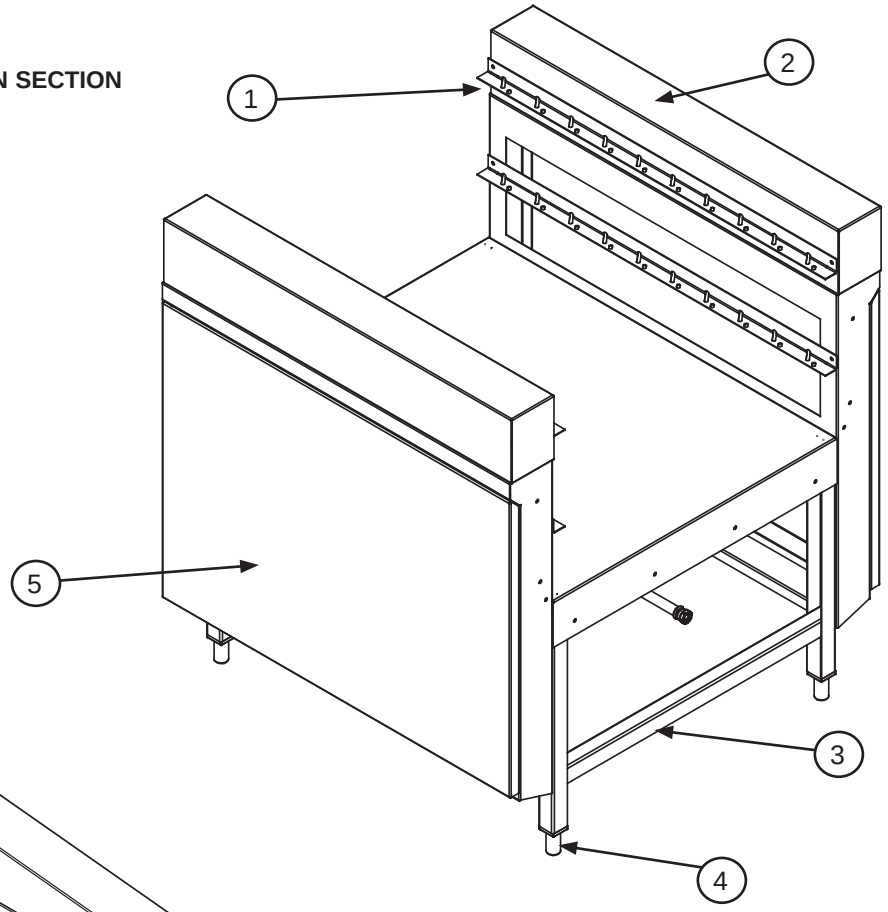
JFT BLOWER ASSEMBLY

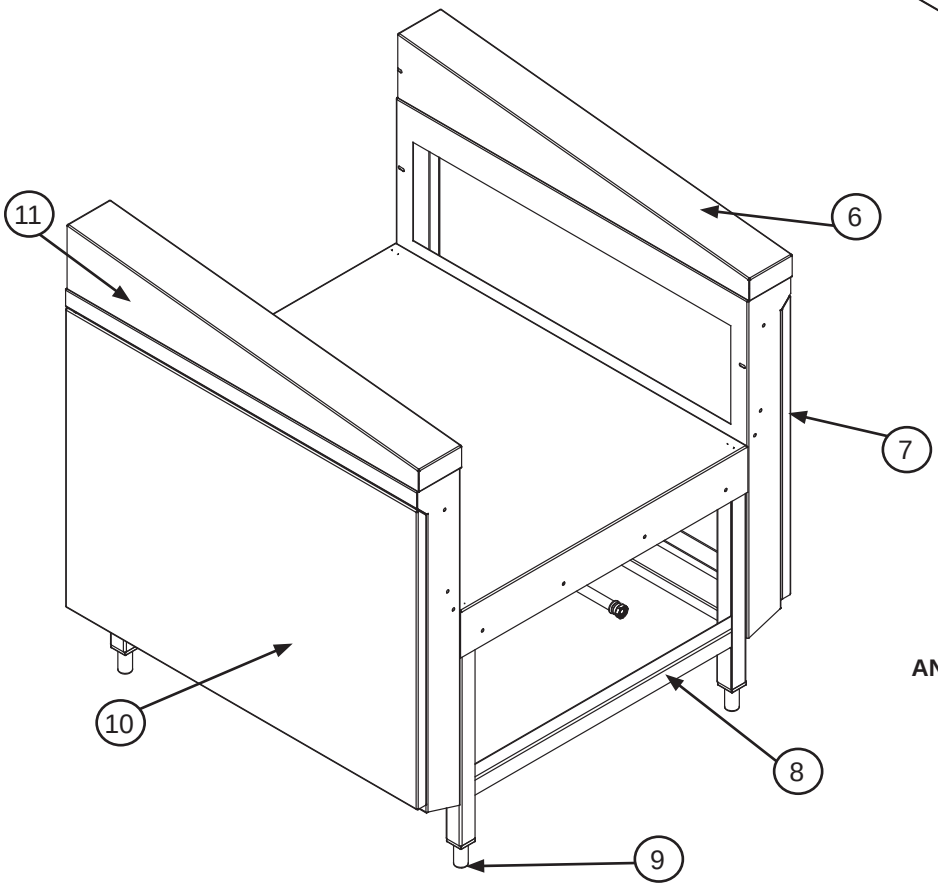


ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Panel, Blower Dryer Top	05700-002-72-00
2	1	Panel, Blower Dryer Side	05700-002-71-99
3	1	Panel, Blower Dryer Front & Back	05700-002-71-98
4	1	Panel, Blower Side	05700-002-71-99
5	1	Blower, 208-230/600V, 60HZ, Dual Cage	06105-002-72-15
	1	Blower, 460V, 60HZ, Dual Cage	06105-002-88-36
6	1	Panel, Blower Dryer Front & Back	05700-002-71-98
7	1	JFT Heater, 4.5 KW, 208V, Blower Air	04540-002-74-29
	1	JFT Heater, 4.5 KW, 240V, Blower Air	04540-002-87-79
	1	JFT Heater, 4.5 KW, 460V, Blower Air	04540-002-91-60
	1	JFT Heater, 4.5 KW, 600V, Blower Air	04540-002-90-30
8	1	Blower Dryer Heater Box Weldment, JFT	05700-002-72-14
	1	Blower Dryer Heater Box Weldment, JFT-S	05700-002-76-85
9	1	Frame, Blower Dryer Support Assembly	05700-002-84-68
10	1	High Limit Thermostat	05930-002-83-31
		The JFT-S uses the following components in place of the heaters used on the JFT.	
11	2	Nipple, 3/4” x 2” Brass heat exchanger	04730-207-46-00
12	2	Elbow, 3/4” NPT 90B Street, Brass heat exchanger	04730-206-04-34
13	1	Hose Assembly, Outlet	05700-002-87-95
14	1	Hose Assembly, Inlet	05700-002-87-96
15	1	Heat Exchanger, Blower	04420-002-76-68
	1	Elbow, 3/4” NPT 90B Street, Brass hose assembly	04730-206-04-34

UNLOAD SECTION EXPANSION ASSEMBLIES

STRAIGHT EXPANSION SECTION

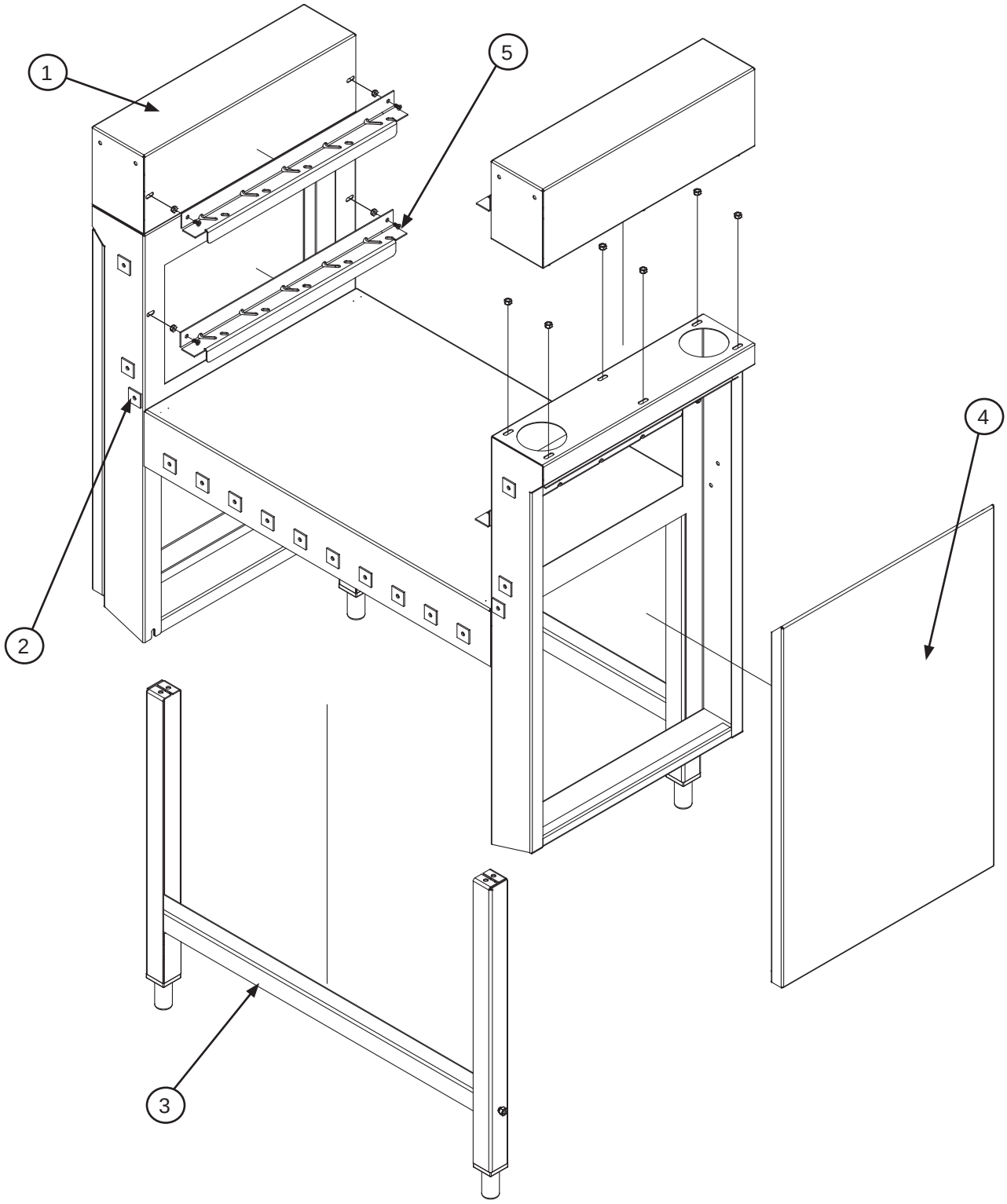




ANGLED EXPANSION SECTION

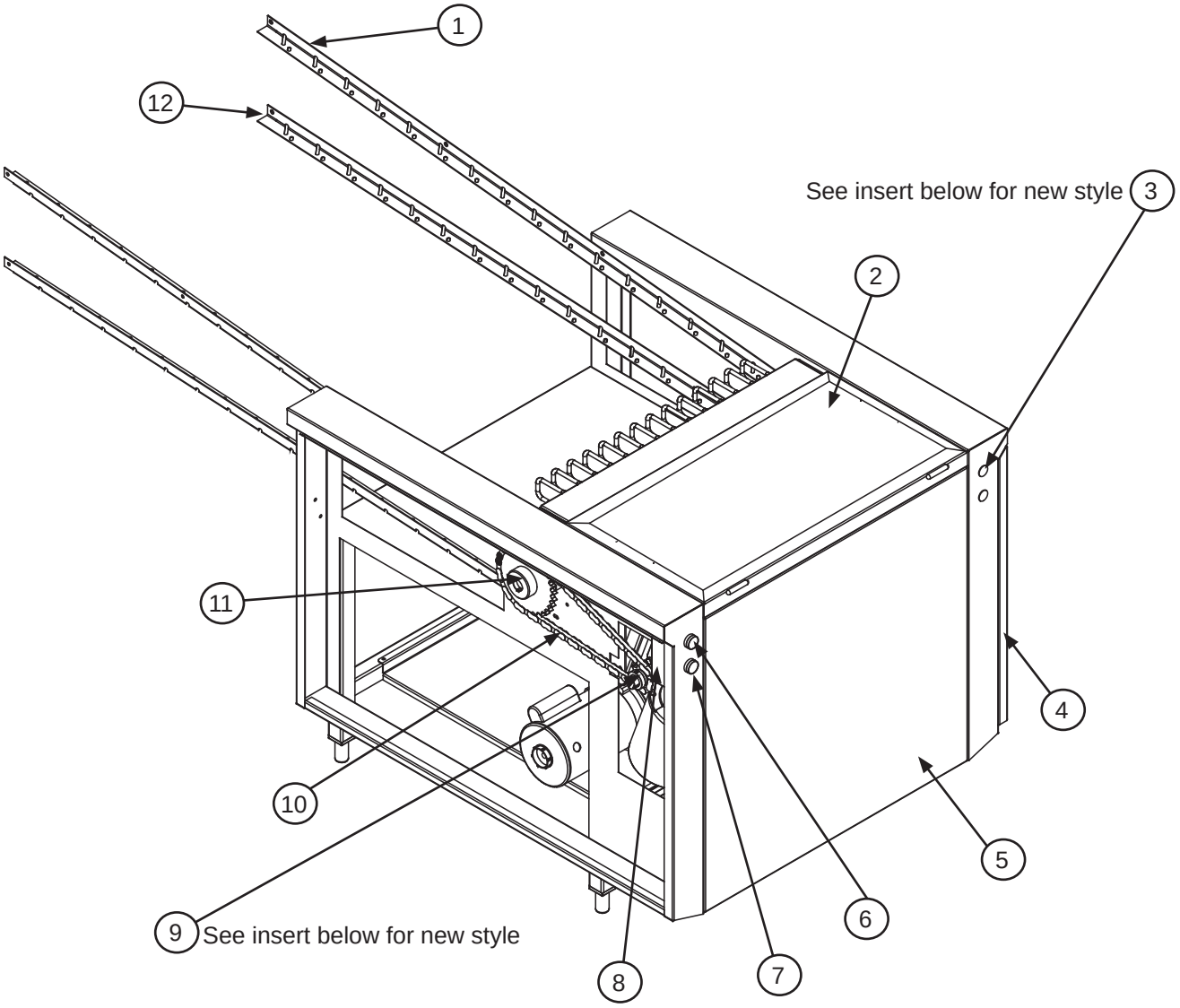
ITEM	QTY	DESCRIPTION	PART NUMBER
1	4	Rail, Lower	05700-002-65-07
2	2	Rail Guard, Upper Weldment	05700-002-85-58
3	2	Frame Assembly	05700-002-86-07
	1	Frame Weldment	05700-002-67-84
4	2	Bullet Foot	05340-108-02-06
5	2	Panel, Dress Assembly	05700-002-85-52
6	1	Rail Guard Angled Weldment	05700-002-85-55
7	1	Panel, Dress	05700-002-85-52
8	2	Frame Assembly	05700-002-86-07
	1	Frame Weldment	05700-002-67-84
9	2	Bullet Foot	05340-108-02-06
10	1	Panel, Dress	05700-002-85-52
11	1	Rail Guard Angled Weldment	05700-002-85-56

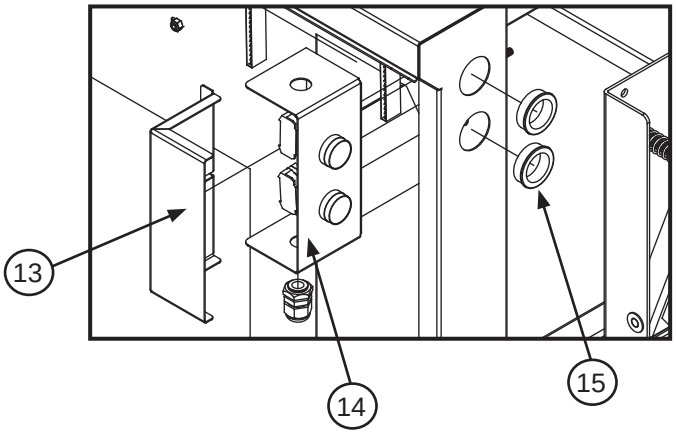
UNLOAD SECTION 18” EXPANSIONA ASSEMBLY

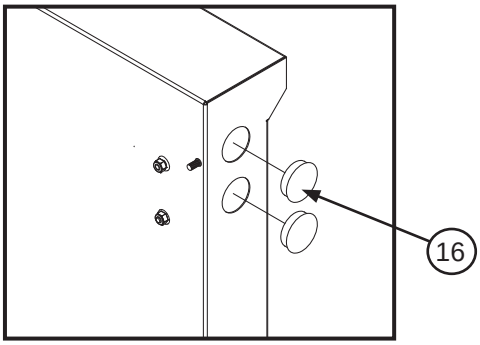


ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	Rail Guard, Upper Weldment	05700-003-15-43
2	16	Gasket Spacer	05330-003-04-12
3	2	Frame Assembly	05700-002-86-07
	1	Frame Weldment	05700-002-67-84
	2	Bullet Foot	05340-108-02-06
4	1	Panel, Dress	05700-003-15-42
5	4	F-Rail, Expansion Straight 18"	05700-003-15-54

UNLOAD END ASSEMBLY



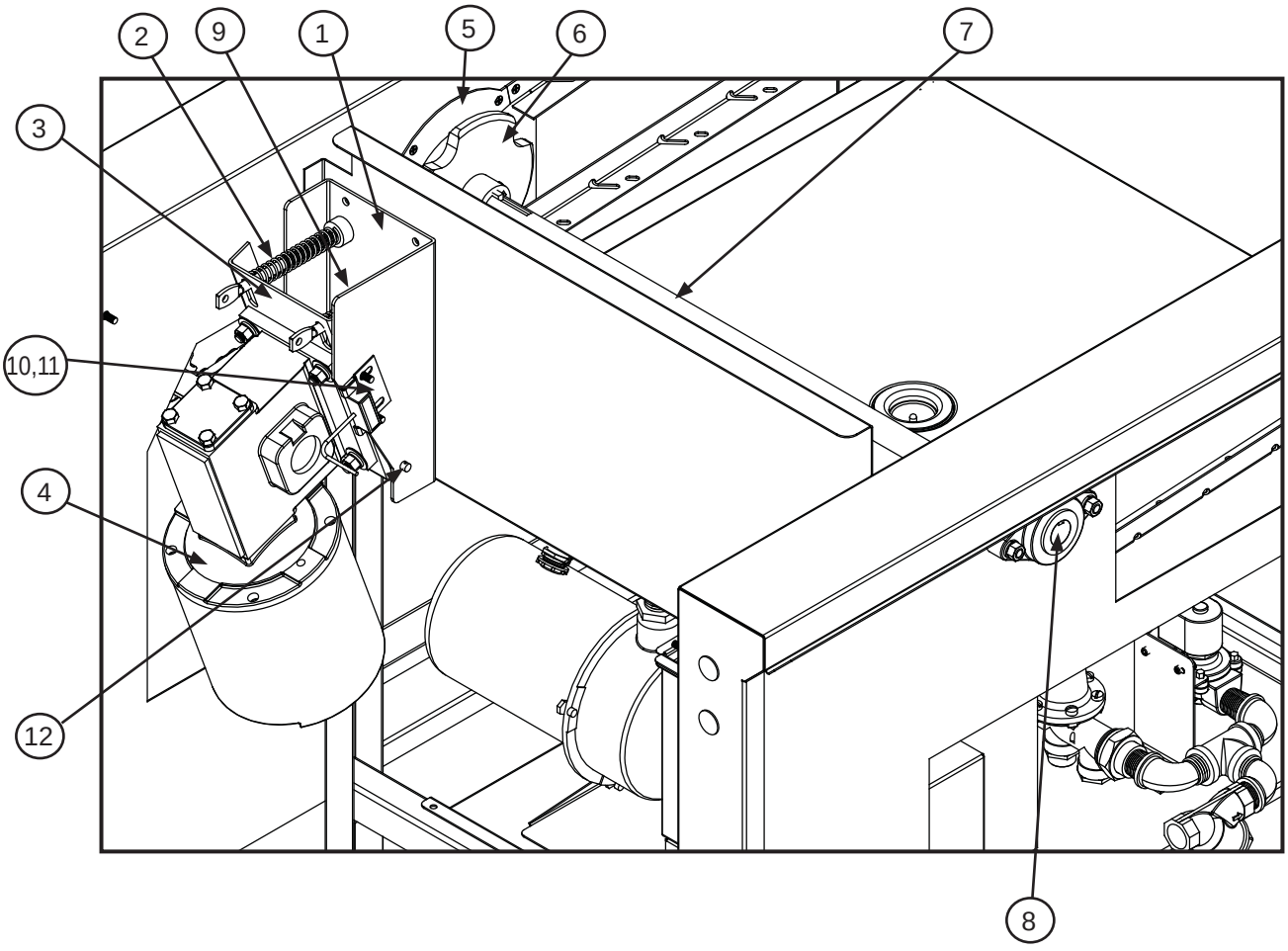




ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	Rail, Upper Front	05700-002-69-11
2	1	Slide Stop Assembly	05700-002-82-16
	1	Cover Weldment (not shown)	05700-002-82-15
	1	Slide Stop Weldment (not shown)	05700-002-82-14
	14	Slide Stop Finger (not shown)	05700-002-82-13
	1	Magnet (not shown)	05930-002-88-42
	2	Spring (not shown)	05340-002-90-39
	1	Bracket, Right (not shown)	05700-002-97-54
	1	Bracket, Left (not shown)	05700-002-97-55
3	2	Heyco Plug	05975-011-47-81
4	2	Panel, Dress	05700-002-83-95
5	1	Panel End Weldment	05700-002-84-65
6	1	Switch, Green Start	05930-002-80-60
7	1	Switch, Red Stop	05930-002-80-73
8	7	Cover, Switch	05700-002-79-85
9	1	Belt, Gear Small	06105-002-75-21
	1	Key, Drive Wheel	05700-002-94-87
	1	Set Screw	05305-002-10-14
10	1	Chain, Drive Motor	05700-002-88-43
11	1	Belt, Gear Large	06105-002-75-22
		Key, Drive Wheel	05700-002-94-87
		Set Screw	05305-002-10-14
12	2	Rail, Lower Front	05700-002-69-12
13	1	Cover, Switch	05700-003-09-10
14	1	Bracket, Switch Holding	05700-003-09-11
15		Snap Bushing	05975-003-10-46
16		Domed Plug	05975-003-10-45

UNLOAD END ASSEMBLY

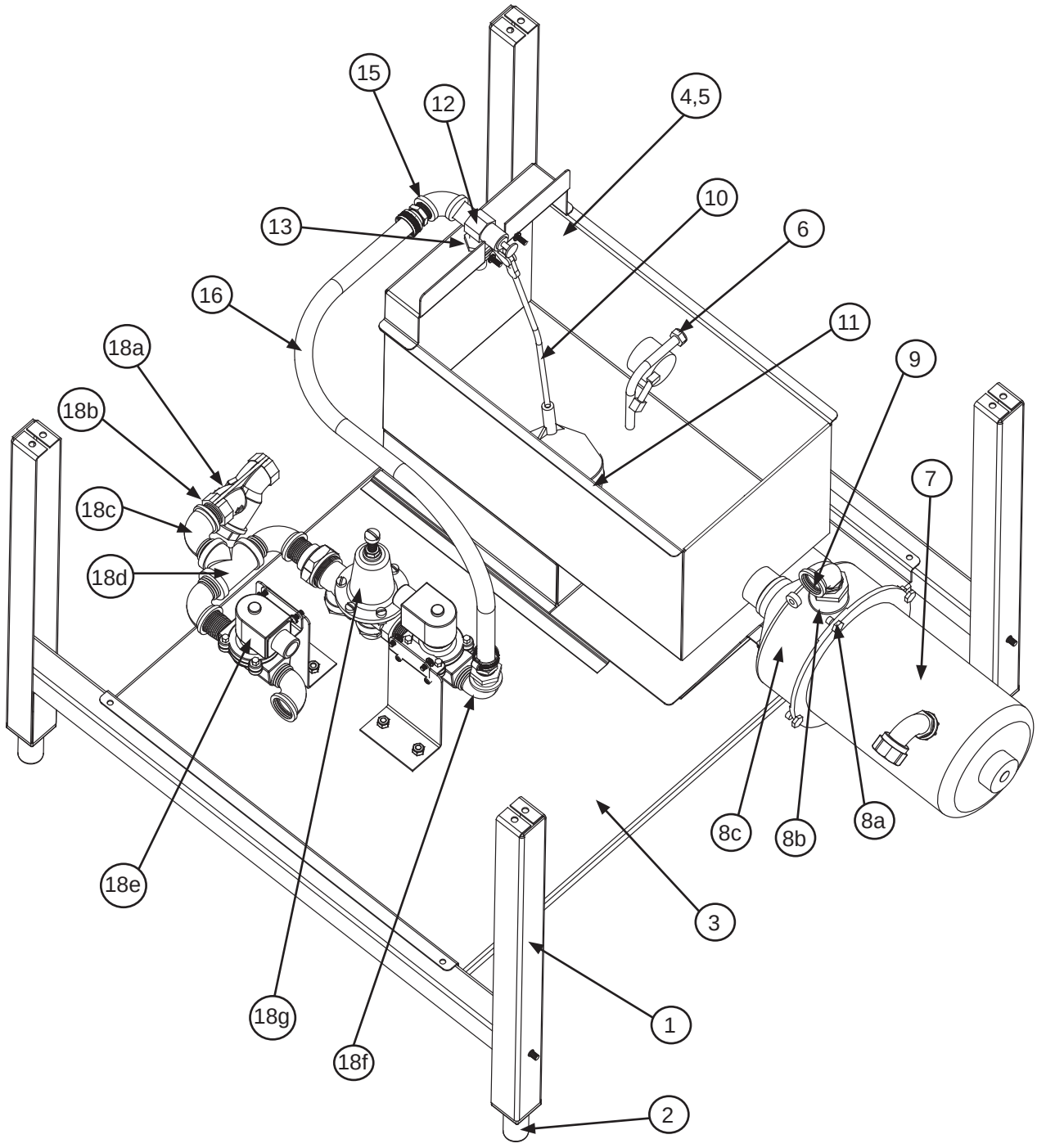
(CONTINUED)



(CONTINUED)

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Drive Motor Support Bracket	05700-002-84-66
2	2	Bolt, Spring Holding, 3/8”	05700-002-82-62
	2	Spring	05340-002-87-02
3	1	Drive Motor Mounting Bracket	05700-002-82-45
4	1	Drive Motor Assembly (600 Volt)	05700-002-95-62
	1	Drive Motor Assembly (460 Volt)	05700-002-68-55
	1	Drive Motor Assembly (208-240 Volt)	05700-002-66-38
	1	Gear Drive	06105-002-68-52
	1	Drive Motor (208/230 Volt Models)	06105-002-87-69
	1	Drive Motor (460 Volt Models)	06105-002-87-70
	1	Drive Motor (600 Volt Models)	06105-002-87-71
5	1	Belt Centering Plate	05700-002-82-08
6	1	Drive Wheel	05700-002-67-03
7	1	Drive Rod	05700-002-75-13
8	1	Bearing, Two-Bolt Mounting Flange	03120-002-69-31
9	1	Magnet (Not Shown)	05930-002-88-42
10	1	Reed Switch	05930-002-36-80
11		Limit Switch Mounting Bracket	05700-011-71-18
12	1	Pin, Drive Plate Weldment	05700-002-92-06
	1	Conduit Box (Not Shown)	05700-002-93-09
	1	Conduit Box Top (Not Shown)	05700-002-93-10

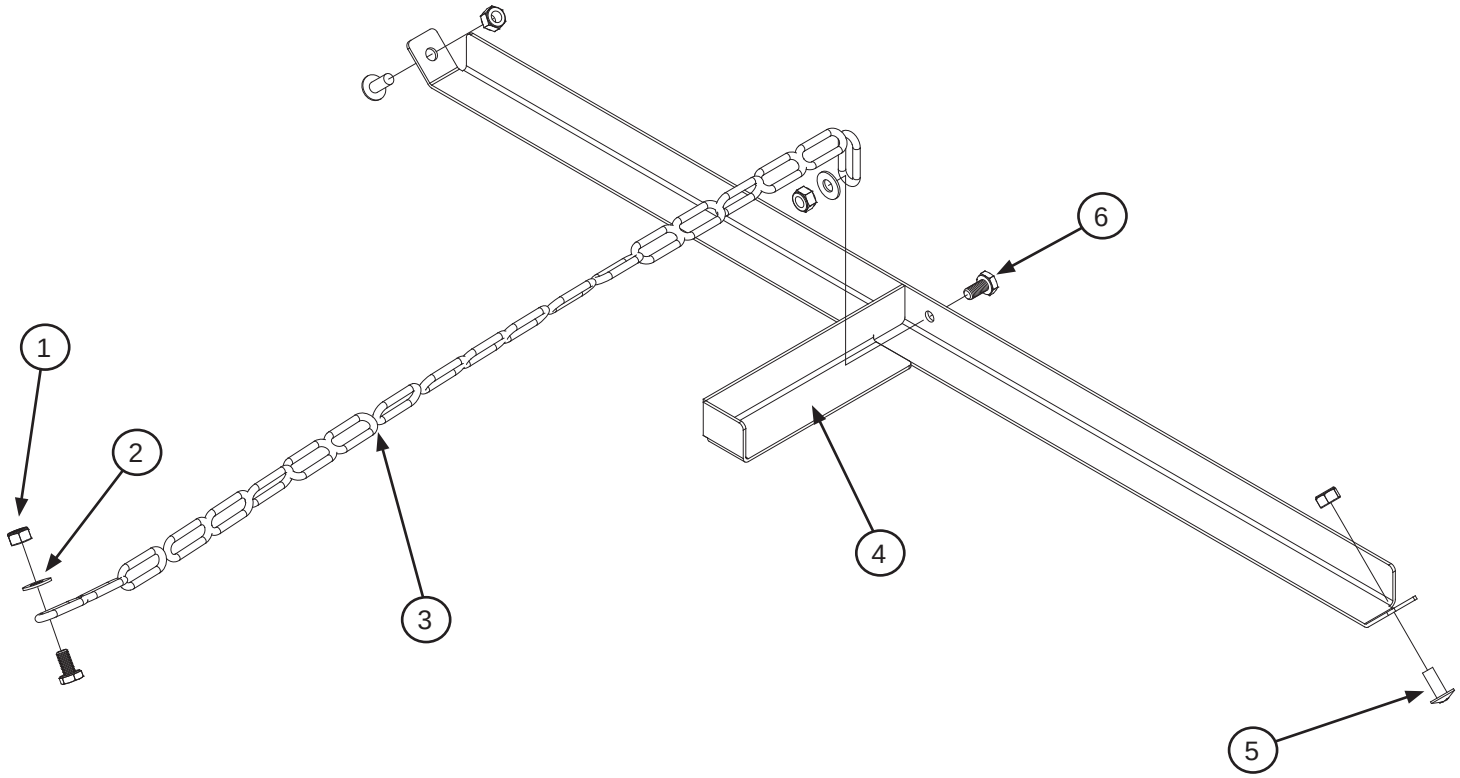
UNLOAD END MISCELLANEOUS ASSEMBLY



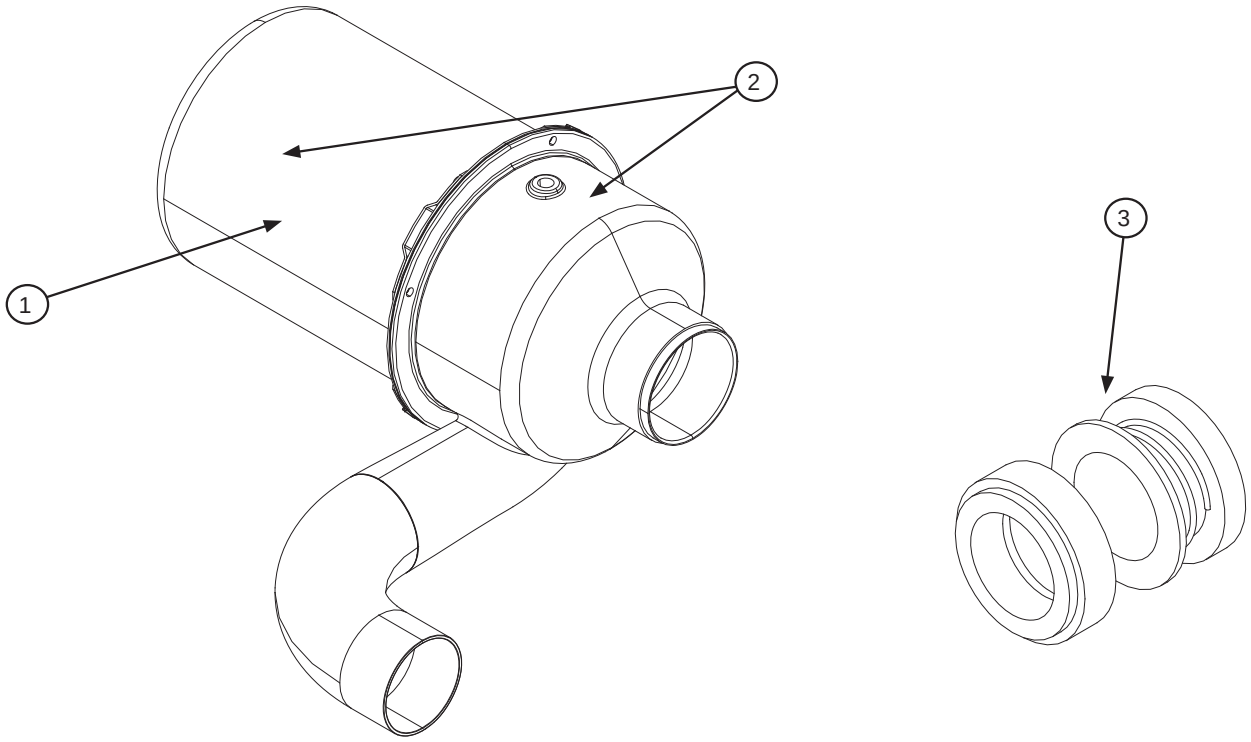
UNLOAD END MISCELLANEOUS ASSEMBLY

ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	Frame Weldment	05700-002-67-84
2	4	Bullet Foot	05340-108-02-06
3		Plate, Slide Rinse Weldment	05700-002-88-51
4		Rinse Tank Weldment	05700-002-88-50
5		Rinse Tank Cover (Not Shown)	05700-003-05-43
6		Swing Arm Sensor	05700-002-98-62
7		Motor, 1/2 HP, 208-230V	06105-002-72-71
		Motor, 1/2 HP, 460V	06105-002-72-71
		Motor, 1/2 HP, 600V	06105-002-90-34
8		Plumbing, Rinse Motor	05700-002-85-64
8a		Bushing, Brass 1” FNPT x 3/4” MNPT	04730-011-65-14
8b		Elbow, 3/4” Street Brass	04730-206-04-34
8c		Restrictor, Rinse Pump Discharge	05700-002-90-35
9		Hose Assembly, 109” Booster Heater Supply	05700-002-88-05
10		Rod, Float Formed	05700-003-05-58
11		Ball Float	06680-003-05-56
12		Valve, Float 1/2” Brass	06680-003-05-46
13		Nut, 1/2” NPT Brass	04730-208-03-00
14		Adapter, 1/2” NPT x C Male	04730-401-07-01
15		Elbow, 1/2” NPT 90 Deg. Brass	04730-011-42-96
16		Hose Assembly, 24” Solenoid to Final Rinse Tank	05700-002-88-04
17		Hose Assembly, 90” Machine Fill	05700-002-88-03
18		Plumbing, Solenoid Assembly	05700-002-85-62
18a		Y-Strainer, 3/4”	04730-717-02-06
18b		Nipple, 3/4” Close Brass	04730-207-34-00
18c		Elbow, 3/4” Street	04730-206-04-34
18d		Tee, Brass 3/4” x 3/4” x 3/4”	04730-211-01-34
18e		Valve, 120V Solenoid	04810-002-83-15
18f		Bushing, Hex 3/4” to 1/2”	04730-002-56-27
18g		Regulator, 3/4” Pressure	06685-011-58-22

SLIDE STOP ASSEMBLY



ITEM	QTY	DESCRIPTION	PART NUMBER
1	4	Locknut, 1/4”-20 Hex W/Nylon Insert	05310-374-01-00
2	2	Washer, 1/4-20 I.D. S/S	05311-174-01-00
3	1	Chain 1/8 x 20 Links	05700-003-21-83
4	1	Lanyard, Slide Stop Weldment	05700-003-21-84
5	2	Screw, 1/4”-20 x 5/8” Truss Phillips Head	05305-174-04-00
6	2	Bolt, 1/4”-20 x 1/2” Long	Bolt, 1/4”-20 x 1/2” Long



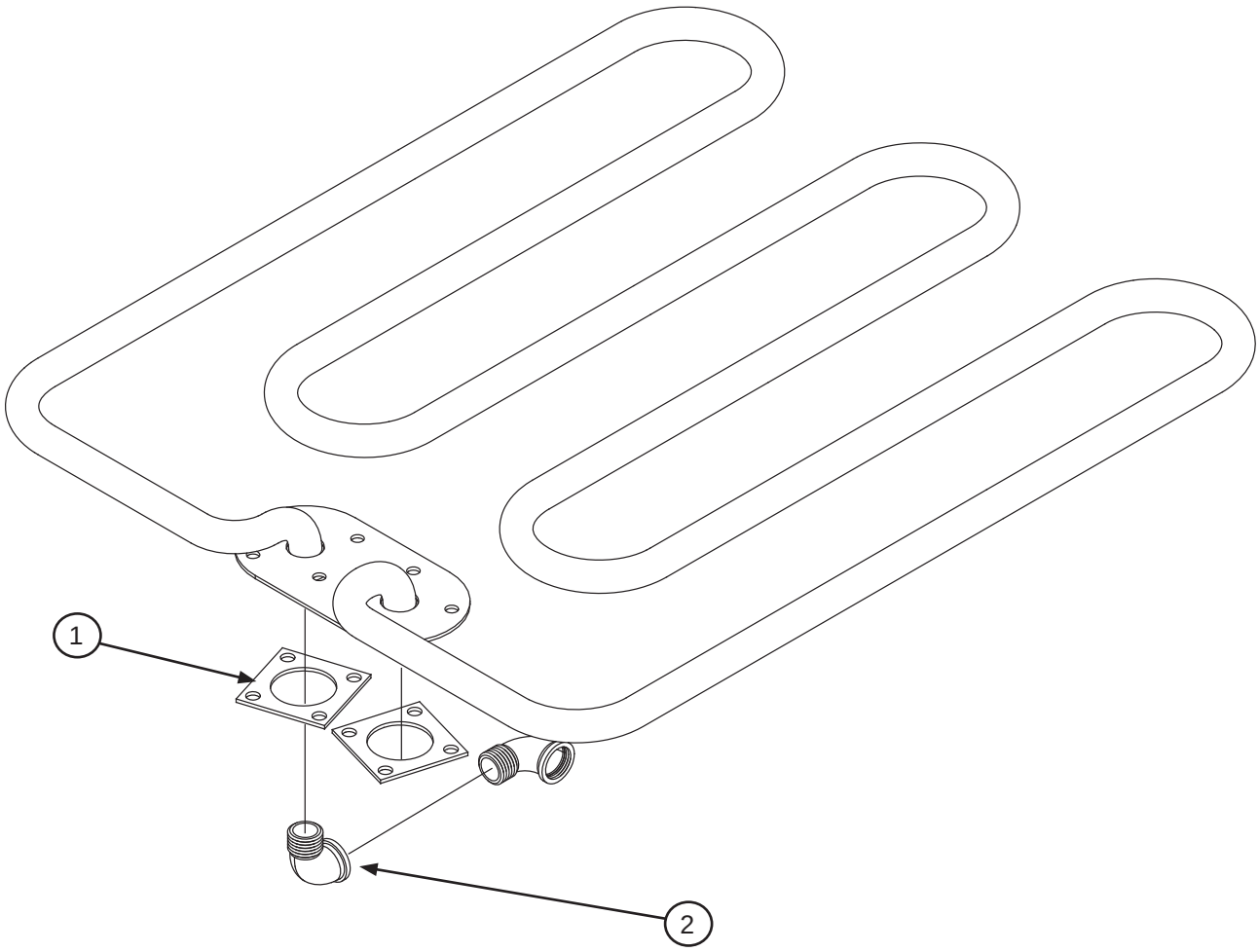
ITEM	QTY	DESCRIPTION	PART NUMBER
		Kit, Motor & Seal 208-460V, 2HP	06401-003-17-26
		Kit, Motor & Seal 208-460V, 3HP	06401-003-17-28
1	1	Motor Only, 208-460V, 2HP	06105-003-19-15
	1	Motor Only, 208-460V, 3HP	06105-003-19-16
2	1	Power Rinse Motor Kit, 208-460V, 2HP	06105-003-15-51
	1	Pump & Motor Assembly, 208-460V, 3HP	06105-003-15-52
3	1	Seal, Pump	05330-002-34-22
		THE FOLLOWING ITEMS ARE NOT SHOWN	
	1	Hose, 2.83 OD x 4” Long	05700-003-15-36
	1	Hose, 3.33 OD x 4” Long	05700-003-15-36
	1	Barbed Fitting, 90 Deg.	04730-003-15-57
	4	Hose Clamp, 2-9/16” to 3-1/2”	04730-003-15-40
	1	Bracket, Motor Support	05700-003-15-08
	2	Locknut, 1/4”-20 Hex w/Nylon Insert	05310-374-01-00
	2	Washer, 1/4” ID x 3/4” OD	05311-174-01-00
	1	Gasket, Heater	05330-011-47-79
	1	Heater Support Bracket	05700-002-78-92

(CONTINUED)

Section	Volts	Hz	Phase	Heater (12 KW)	Heater (14KW)`
Wash	208	60	3	04540-003-17-05	N/A
Wash	240	60	3	04540-003-17-07	N/A
Wash	460	60	3	04540-003-17-10	N/A
Wash	600	60	3	04540-002-90-28	N/A
Power Rinse	208	60	3	04540-003-17-05	04540-003-17-06
Power Rinse	240	60	3	04540-003-17-07	04540-003-17-08
Power Rinse	460	60	3	04540-003-17-10	04540-003-17-11
Power Rinse	600	60	3	04540-002-90-28	04540-002-90-29

Service Note: For units prior to serial number 1032 please call Jackson Technical Service for motor replacements.

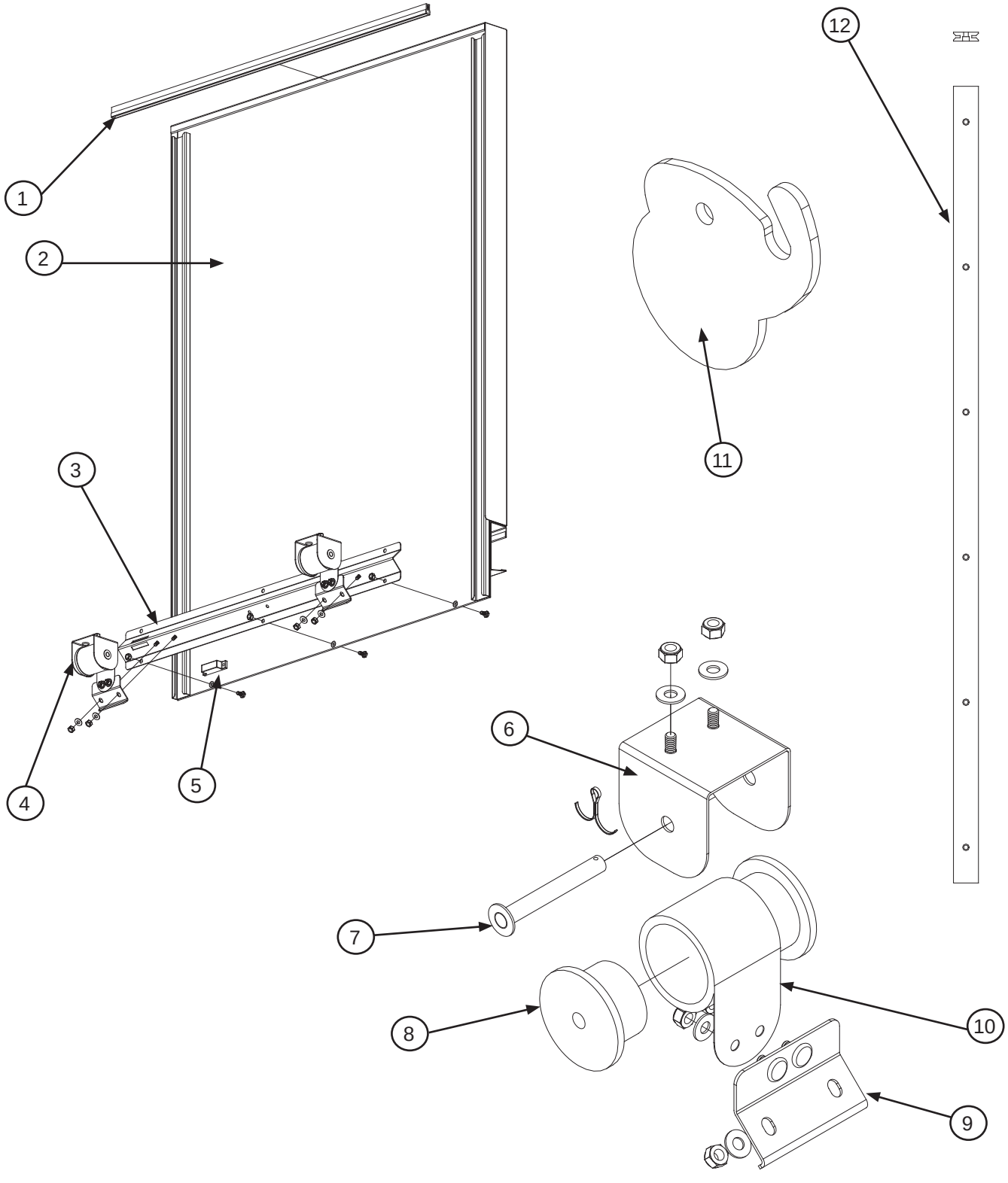
JFT-S STEAM COIL ASSEMBLY



The steam coil assembly is used only in the JFT-S Wash & Power Rinse Sections.

ITEM	QTY	DESCRIPTION	PART NUMBER
		Steam Coil Assembly	05700-002-86-50
1	1	Steam Coil Gasket	05330-011-47-79
2	2	Elbow, 3/4” 90B Street Black Iron	04730-011-87-37

DOOR ASSEMBLIES (TALL VERSION)

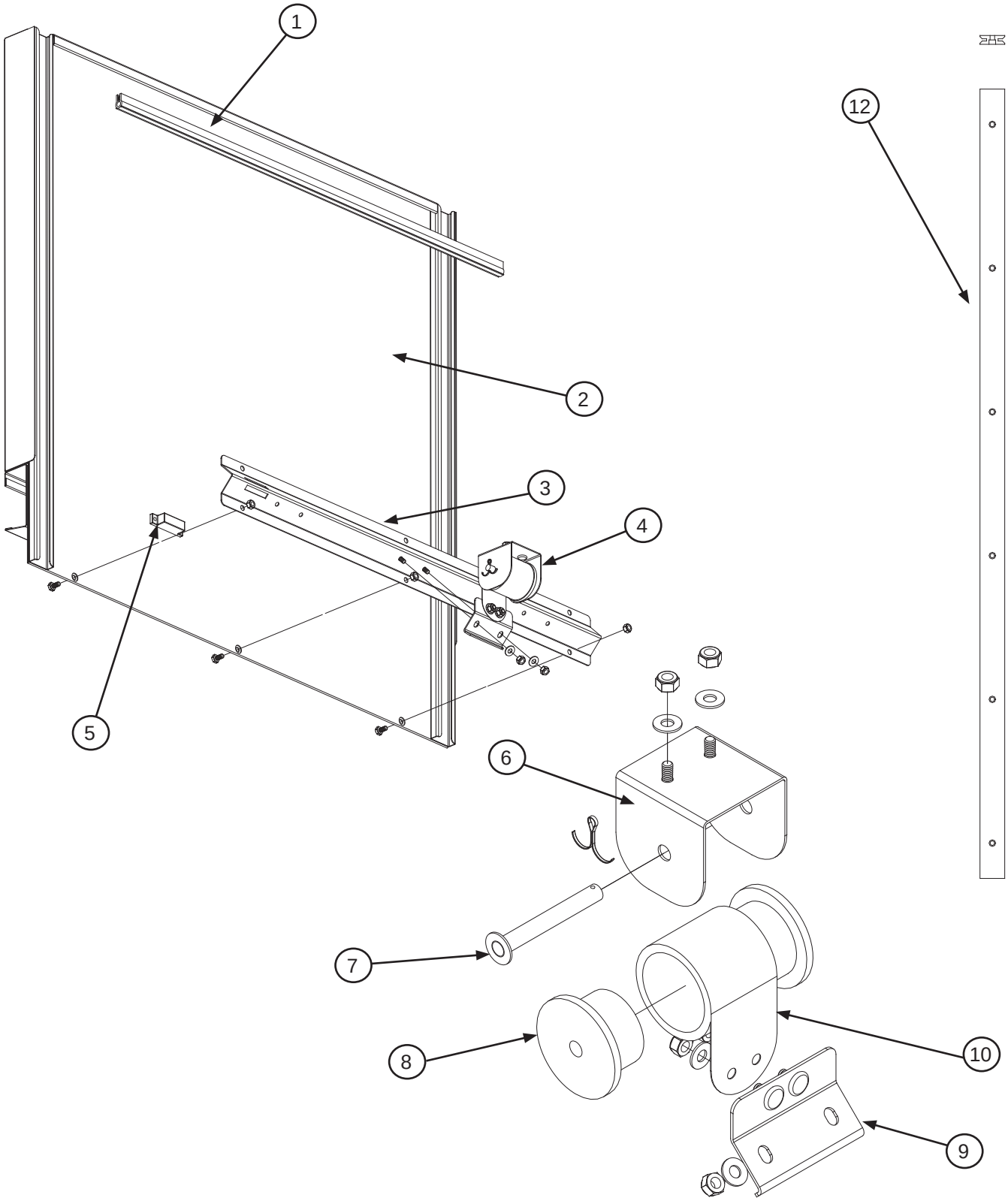


DOOR ASSEMBLIES (TALL VERSION)

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Seal, Door	05700-002-91-18
2	1	Door Weldment	05700-002-64-57
	1	Sponge Gasket	05700-002-84-44
3	1	Door Stop Weldment	05700-002-94-81
4	2	Door Riser Assembly	05700-002-67-34
5	1	Magnet	05930-002-88-42
6	1	Holder Bracket	05700-002-83-62
7	1	**PIN, DOOR SPRING**	05700-002-83-55
8	2	Spindle, Door Spring	05700-002-67-28
9	1	Bracket, Door Holding Weldment	05315-002-94-92
10	1	Spring, Door	05315-002-67-29
11	1	Door Catch	05700-003-10-71
12	2	Door Guide	05700-002-64-54
	12	Hardware: 10-32 x 5/8” Truss Head Screw	05305-003-02-12

This door is used in each of the Prewash, Wash and Power Rinse sections.

DOOR ASSEMBLIES (SHORT VERSION)

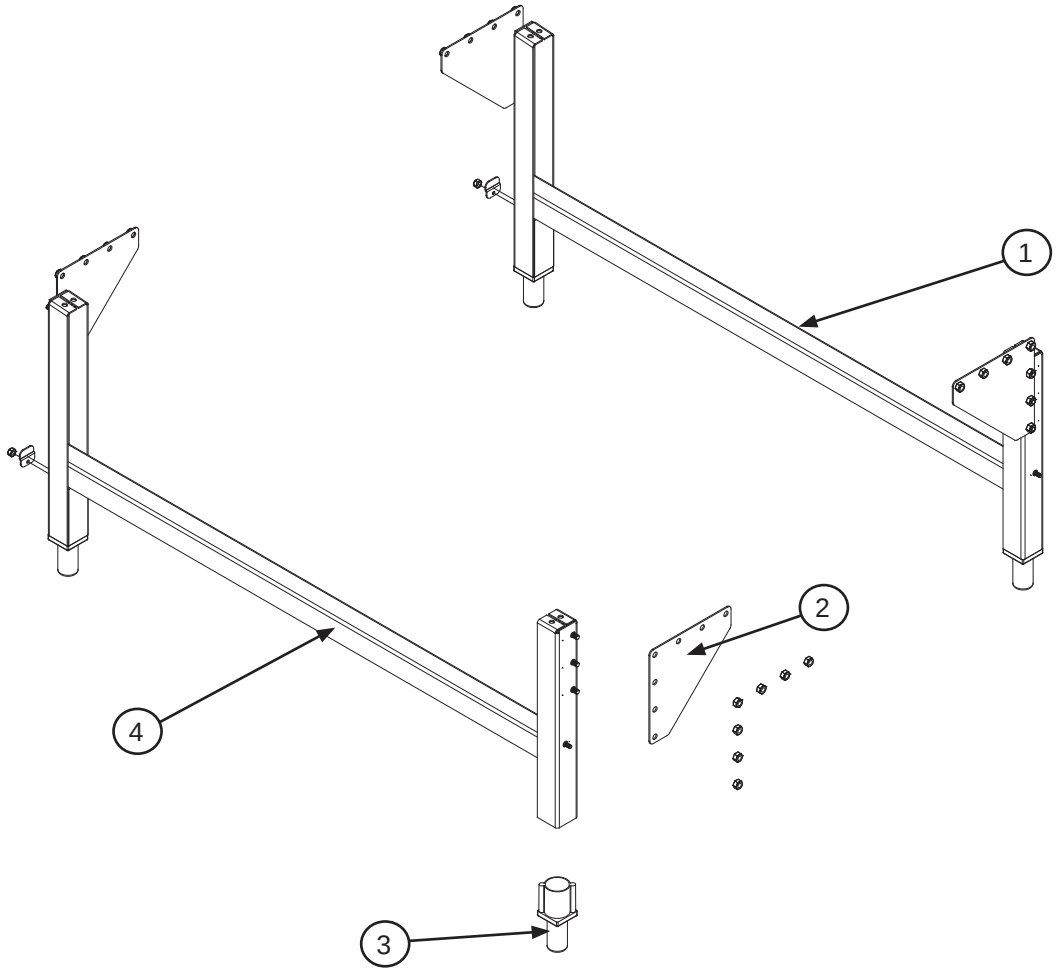


DOOR ASSEMBLIES (SHORT VERSION)

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Seal, Door	05700-002-91-18
2	1	Door Weldment	05700-002-64-57
	1	Sponge Gasket	05700-002-84-44
3	1	Door Stop Weldment	05700-002-94-81
4	2	Door Riser Assembly	05700-002-67-34
5	1	Magnet	05930-002-88-42
6	1	Holder Bracket	05700-002-83-62
7	1	**PIN, DOOR SPRING**	05700-002-83-55
8	2	Spindle, Door Spring	05700-002-67-28
9	1	Bracket, Door Holding Weldment	05315-002-94-92
10	1	Spring, Door	05315-002-67-29
11	1	Door Catch	05700-003-10-71
12	2	Door Guide	05700-002-64-54
	12	Hardware: 10-32 x 5/8” Truss Head Screw	05305-003-02-12

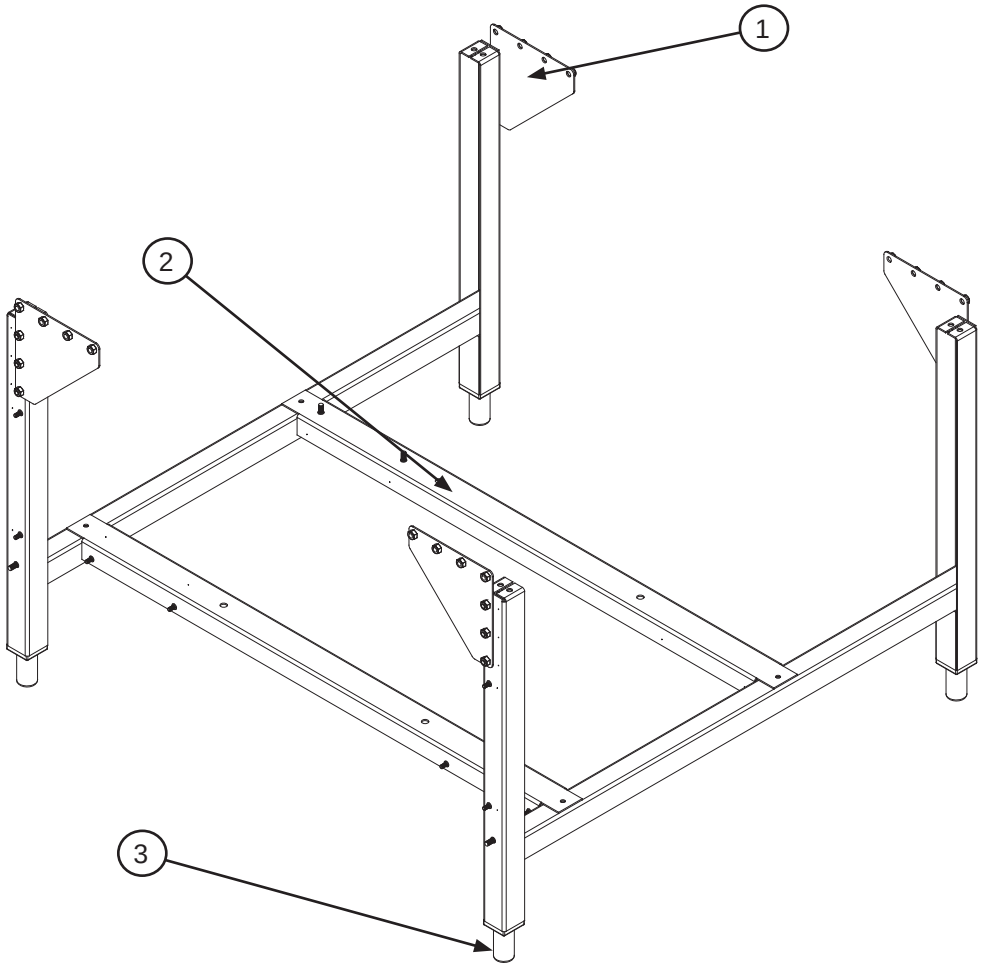
This door is used in each of the Prewash, Wash and Power Rinse sections.

This frame is used in each of the Prewash, Wash and Power Rinse sections.



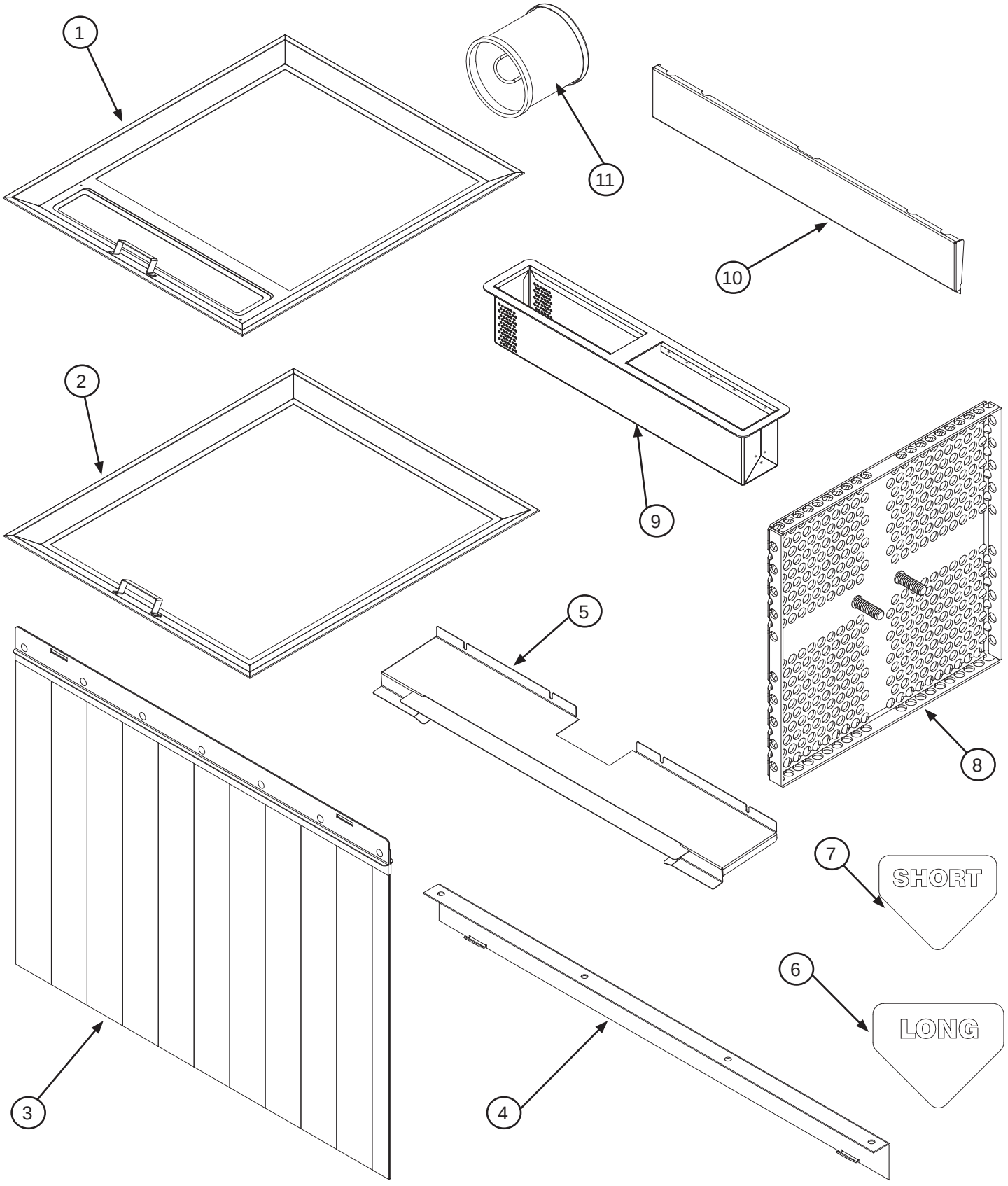
ITEM	QTY	DESCRIPTION	PART NUMBER
		Complete Frame Assembly	05700-002-79-04
1		Right Frame Weldment	05700-002-79-03
2		Support Bracket	05700-002-64-07
3		Left Frame Weldment	05700-002-64-09
4		Bullet Foot	05340-108-02-06

This frame is used only in the Blower Dryer section.



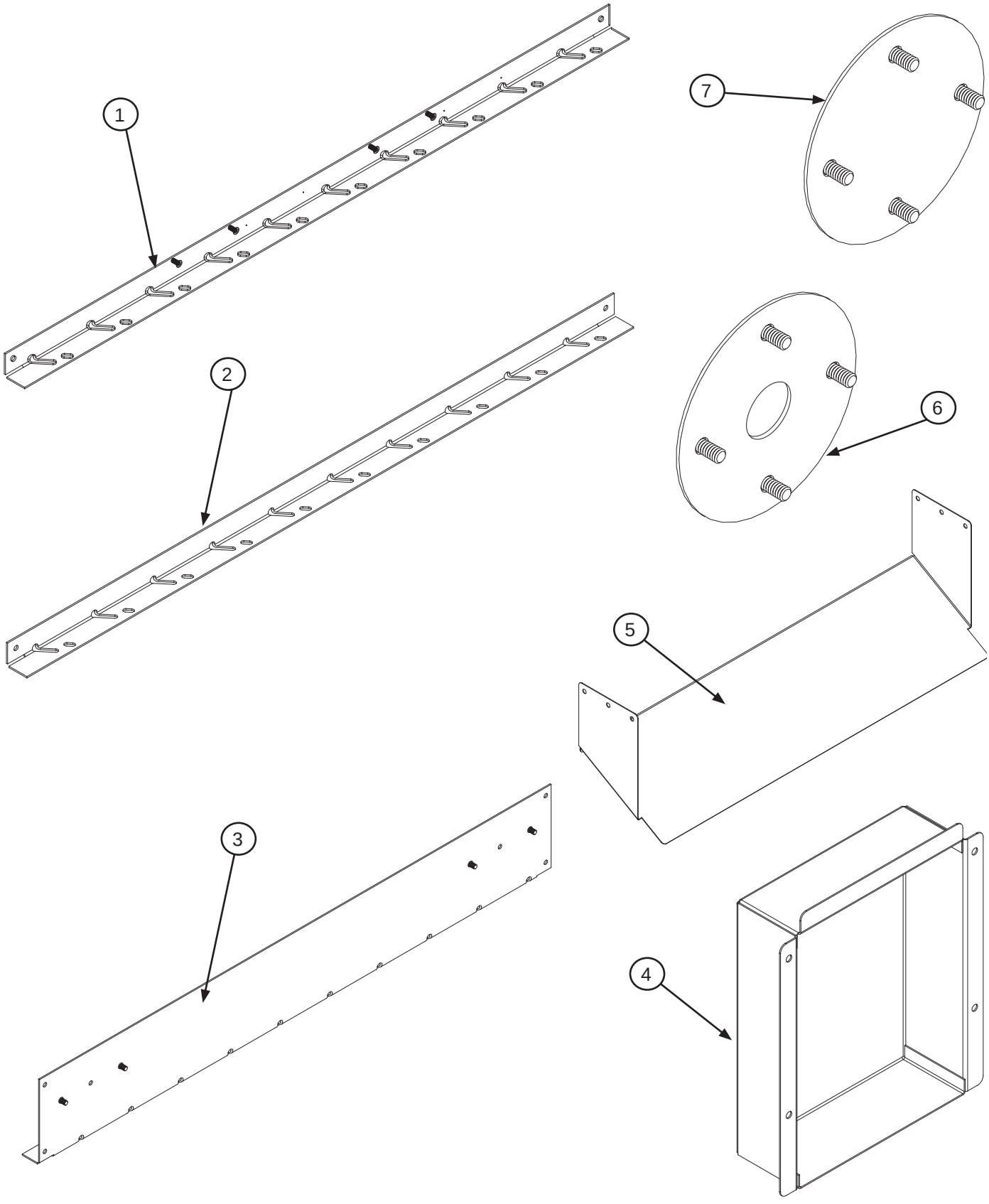
ITEM	QTY	DESCRIPTION	PART NUMBER
		Blower Dryer Section Complete Frame Assembly	05700-002-86-26
1		Bracket, Support	05700-002-64-07
2		Stand, Dryer Weldment	05700-002-70-51
3		Bullet Foot	05340-108-02-06

STRAINERS/CURTAIN ASSEMBLIES



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Prewash Section Pan Strainer	05700-002-74-77
2	1	Wash & Power Rinse Sections Pan Strainer	05700-002-88-24
3	1	Prewash, Wash and Power Rinse sections	05700-002-79-70
	1	Control section	05700-002-79-71
	1	Blower section	05700-002-86-00
4	1	Curtain Holder	05700-002-79-65
5	1	Strainer Support, Back	05700-002-97-46
6	1	Long Curtain Decal	09905-011-73-84
7	1	Short Curtain Decal	09905-011-73-82
8	1	Unload/Load End Strainer	05700-003-22-99
9	1	Prewash Section Basket, Scrap	05700-002-74-61
10	2	Strainer Support, Side	05700-002-64-43
11	1	Drain Suction Strainer	05700-002-66-47

PREWASH, WASH & POWER RINSE ASSEMBLIES



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Lower Front Rail Weldment	05700-002-80-17
2	1	Rail, Lower Section	05700-002-65-07
3	2	Rail, Upper Section	05700-002-84-39
4	1	Wash & Power Rinse Sections Cover, Tank Heater Terminals	05700-002-74-34
5	2	Run Off Bracket	05700-002-81-98
6	1	Wash Section Plate Weldment	05700-002-88-49
7	1	Power Rinse Section Cross Over Plate Weldment	05700-002-74-48

GO*BOX COMPONENTS/SPARE PARTS KIT

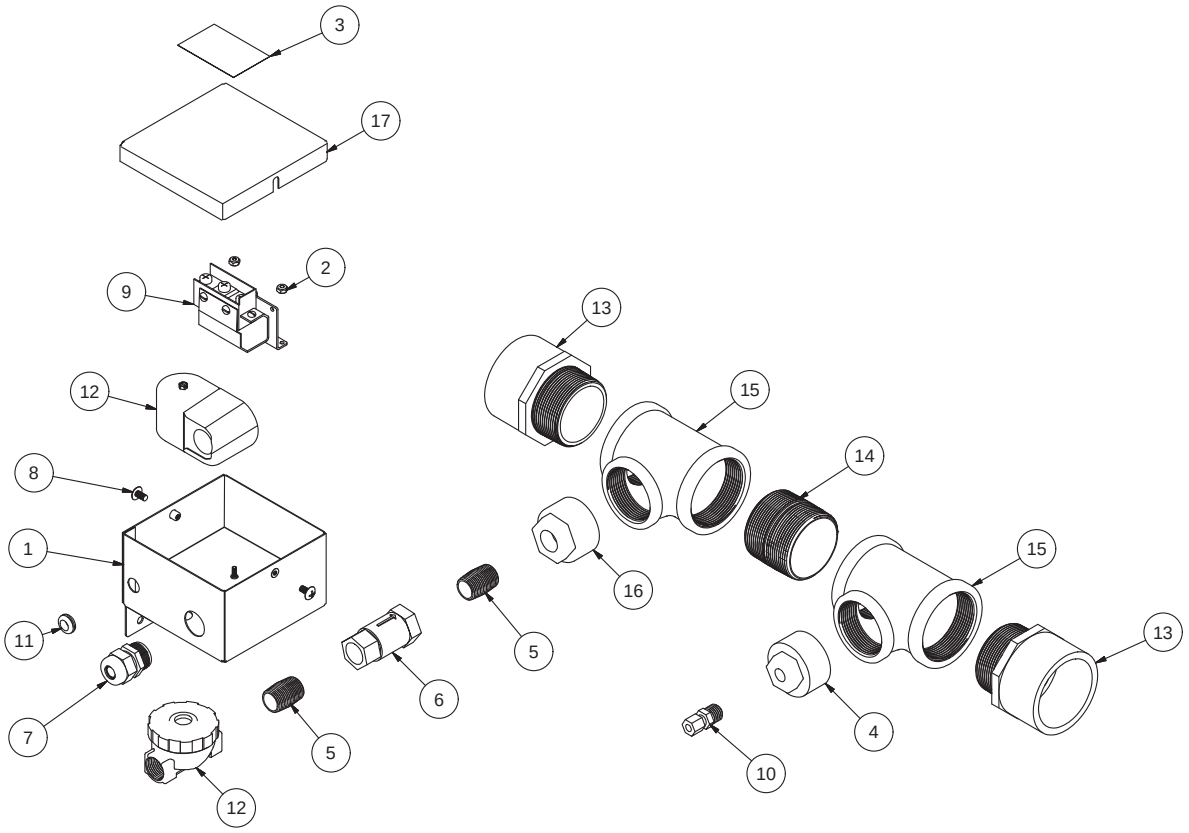
GO*BOX COMPONENTS:
A GO*Box is a kit of the most needed parts for a particular model or model family to successfully effect a repair in the first call 90% or more of the time.

The following components may be ordered together using Mfg. No.: 06401-002-99-17.

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Valve, Solenoid 120V	04810-002-38-15
2	2	Spring, Door	05315-002-67-29
3	2	Seal, Pump	05330-011-71-98
4	2	Gasket, Pump	05330-011-71-62
5	20	Wheel, PVC	05340-002-63-86
6	4	Lanyard, 6" Long	05340-011-72-46
7	20	Peg, Belt	05700-002-63-88
8	1	Switch, Start, Green	05930-002-80-60
9	1	Switch, Stop, Red	05930-002-80-72
10	1	Switch, Reed	05930-002-36-80
11	1	Thermostat, High Limit	05930-002-83-31
12	1	Contactor, 3 Pole 50 Amp	05945-002-24-70
13	1	Overload, Motor, 10-16 Amp	05945-011-84-59
14	1	Overload, Drive Motor, 1-1.5 Amp	05945-111-68-39
15	1	Overload, Wash Motor , 5.5-5.8 Amp	05945-111-68-40
16	1	Transformer 480 TO 240V - 500VA	05950-111-65-93
17	1	Transformer, 208-240/24V	05950-400-01-35
18	2	Controller & Probe, Level Control	05700-002-87-53

SPARE PARTS KIT:
The following spare parts kit may be ordered together using part number: 05700-002-94-74

ITEM	QTY	DESCRIPTION	PART NUMBER
1	12	Wheel, PVC	05340-002-63-86
2	6	Plate, Connector	05700-002-63-85
3	6	Rod, Belt	05700-002-63-92
4	48	Washer, 1/4” ID x 3/4” OD	05311-011-76-30
5	12	Locknut, 1/4”-20, Low Profile with Nylon Insert	05310-374-02-00
6	250	Screw, 10-24 x 1/2” Hex Head	05305-011-40-89
7	250	Locknut, 10-24 with Nylon Insert	05310-373-01-00
8	500	Washer, Flat #10	05311-173-02-00
9	20	Screw, 8-32 x 3/8” Phillips Flat Head	05305-011-37-07
10	20	Nut, Hex 8-32 Locking	05310-272-02-00
11	10	Screw, 10-32 x 1/2” Flat Phillips Head	05305-011-44-51
12	10	Locknut, 10-32 with Nylon Insert	05310-373-02-00



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Drain Quench Weldment Box	05700-002-69-96
2		Lock 6-32 Hex w/ Nylon Insert Nut	05310-373-03-00
3		Warning-Disconnect Power Decal	09905-100-75-93
4		1-1/2 MPT X 1/4 FPT Brass	04730-002-55-76
5		1/2 Close brass Nipple	04730-207-15-00
6		1/2" Check Ball Vavle	04820-002-55-77
7		3216 Liqtite Blk Fitg	05975-011-59-50
8		10-32 X 3/8" Long Phil Truss Screw	05305-173-12-00
9		Wash Thermostat	05930-003-13-65
10		1/4 X 1/4 Comp Straight Brass Fitting	4730-011-49-65
11		1/2 O.D. X .38 I.D. Grommet	05325-011-46-73
12		1/4" Solenoid 120 Volt Valve	04810-100-12-18
13		Gray CPVC Socket Female Male Adapter	04730-004-25-30
14		2" 11-1/2" T.P.I Brass Nipple	04730-004-25-32
15		2" 11-1/2" T.P.I. Brass Tee	04730-004-25-31
16		1-1/2 MPT X 1/2 FPT Brass Reducer	04730-002-55-75
17		Drain Quench Electrical Box F-Lid	05700-002-67-16

LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
H1	WASH HEATER 1
H2	WASH HEATER 2
H7	RINSE HEATER 1
H8	RINSE HEATER 2
H9	BLOWER HEATER (OPTIONAL)
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R10	WASH HEATER CONTACTOR 1
R11	WASH HEATER CONTACTOR 2
R16	RINSE HEATER CONTACTOR 1
R17	RINSE HEATER CONTACTOR 2
R18	BLOWER HEATER CONTACTOR (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S17	STOP BUTTON 3
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
TS1	WASH REGULATING THERMOSTAT
TS2	WASH HIGH LIMIT THERMOSTAT 1
TS3	WASH HIGH LIMIT THERMOSTAT 2
TS10	RINSE REGULATING THERMOSTAT
TS11	RINSE HIGH LIMIT THERMOSTAT 1
TS12	RINSE HIGH LIMIT THERMOSTAT 2
TS13	INTERNAL BLOWER HIGH LIMIT
TS14	BLOWER HEATER HIGH LIMIT THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
OL1	DRIVE MOTOR OVERLOAD 1
OL2	DRIVE MOTOR OVERLOAD 2
OL3	PREWASH MOTOR OVERLOAD
OL4	WASH MOTOR OVERLOAD
OL7	POWER RINSE MOTOR OVERLOAD
OL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
OL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
PRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

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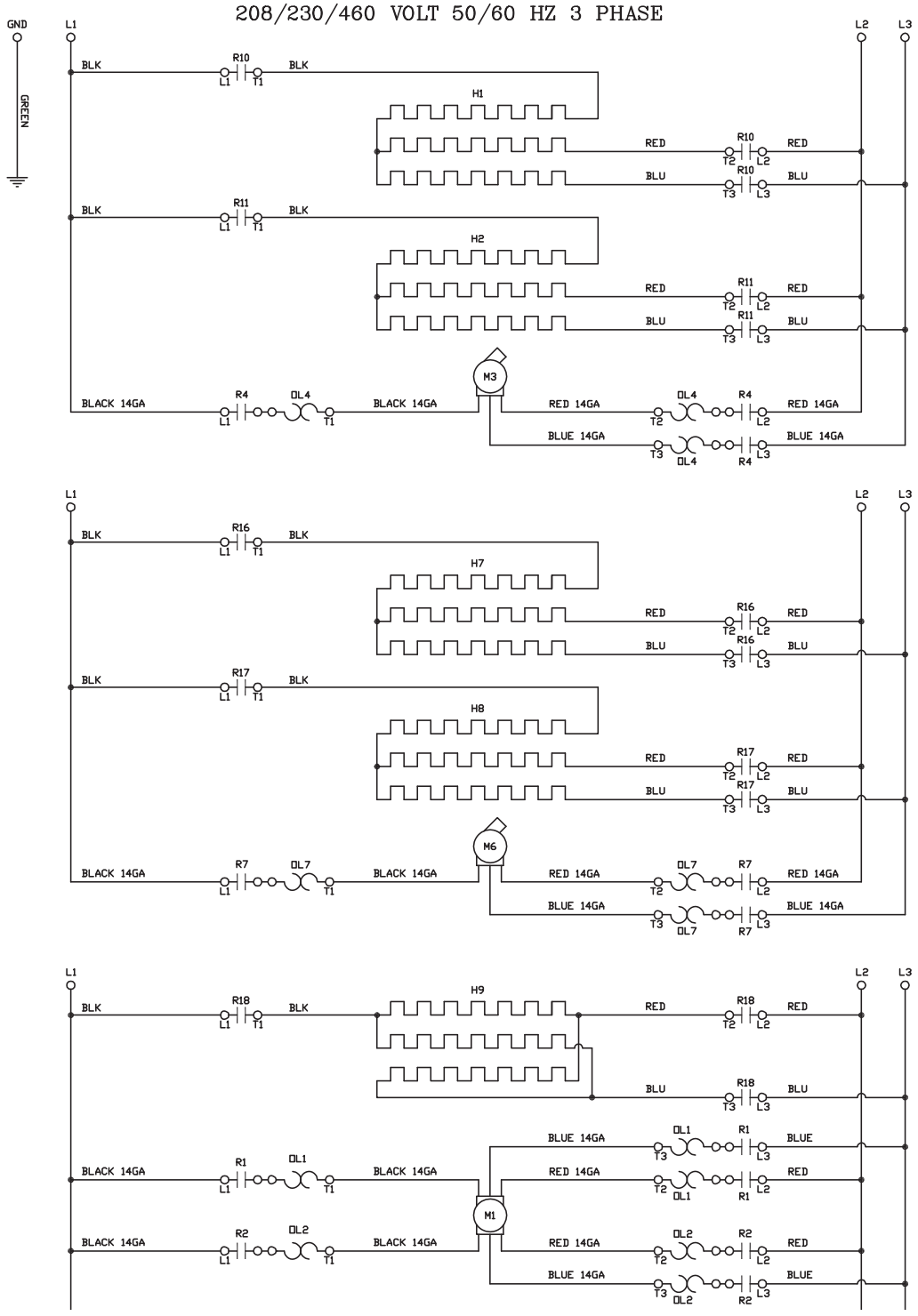
JFT
ELECTRICAL DIAGRAM
208/230/460 VOLT 50/60 HZ 3 PHASE



JFT 208-230-360-460 VOLT/50-60 HZ/3 PHASE

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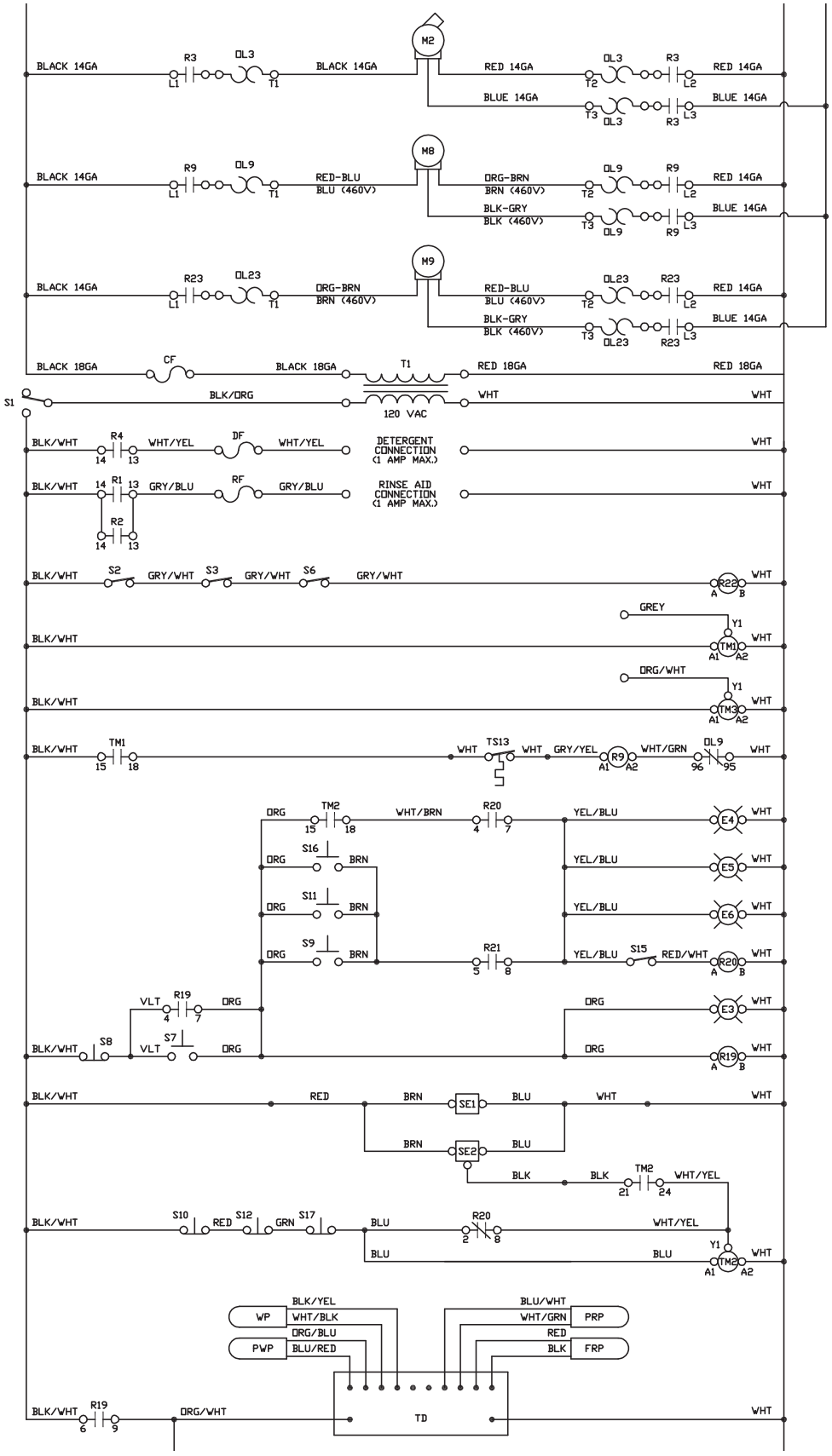

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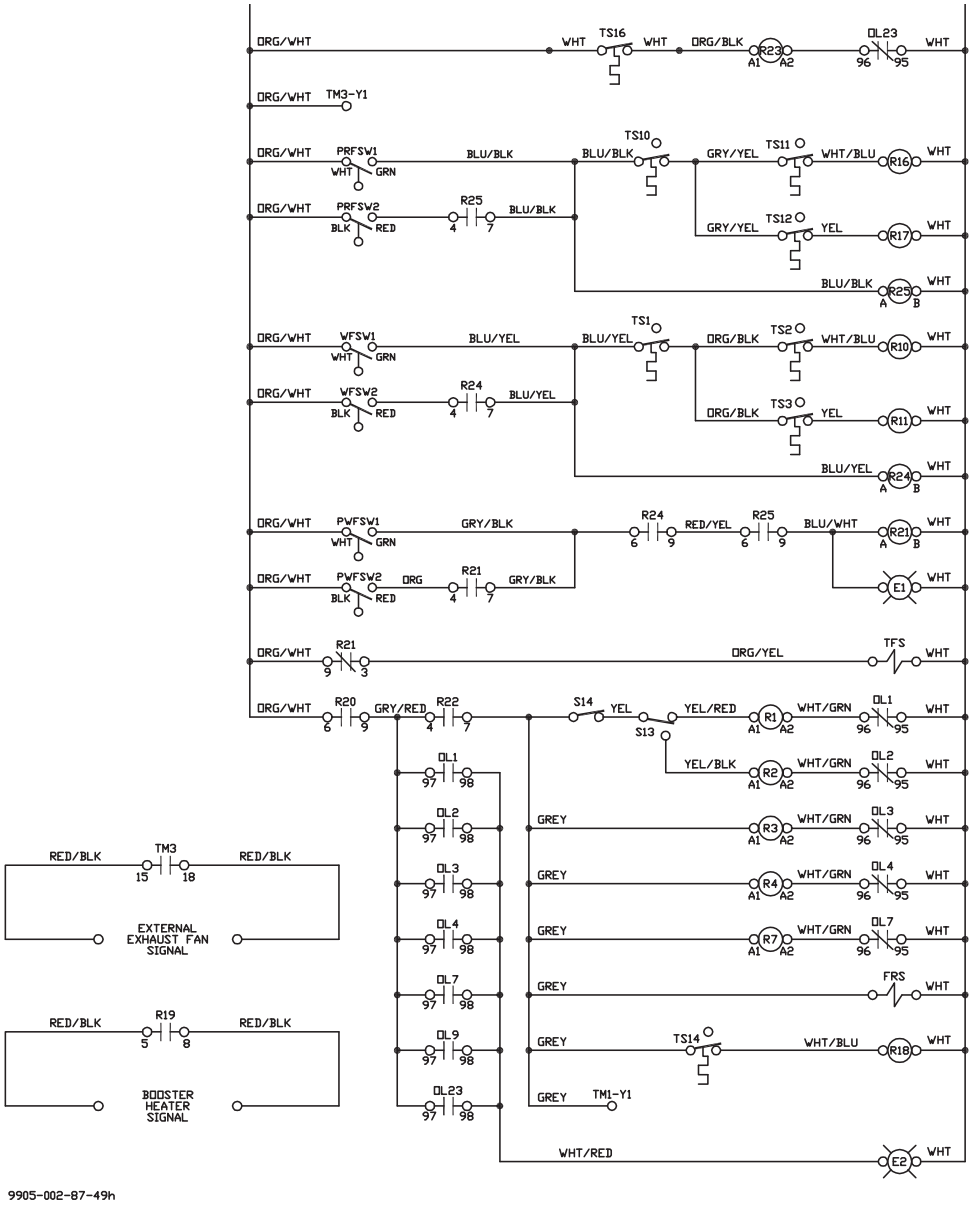
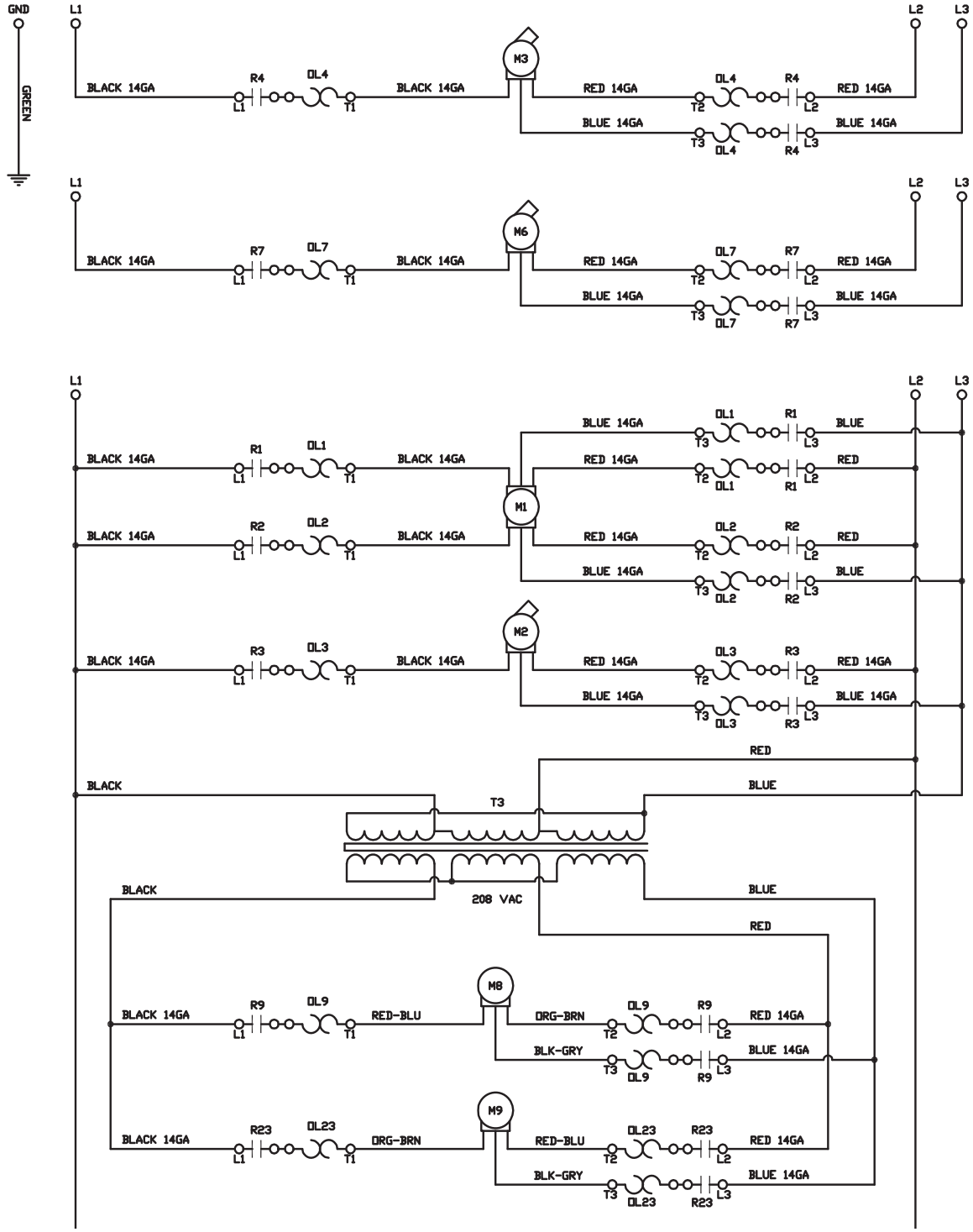


9905-002-87-49h

LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
SK	KEYED SWITCH (OPTION)
S17	STOP BUTTON 3
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
SBS	STEAM BOOSTER SOLENOID
RSS	RINSE STEAM SOLENOID
WSS	WASH STEAM SOLENOID
BSS	BLOWER STEAM SOLENOID (OPTIONAL)
TS1	WASH REGULATING THERMOSTAT
TS10	RINSE REGULATING THERMOSTAT
TS13	INTERNAL BLOWER HIGH LIMIT
TS15	STEAM BOOSTER THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
OL1	DRIVE MOTOR OVERLOAD 1
OL2	DRIVE MOTOR OVERLOAD 2
OL3	PREWASH MOTOR OVERLOAD
OL4	WASH MOTOR OVERLOAD
OL7	POWER RINSE MOTOR OVERLOAD
OL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
OL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
PRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
T3	600-208V TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

JFT–S
ELECTRICAL DIAGRAM
600 VOLT 60 HZ 3 PHASE



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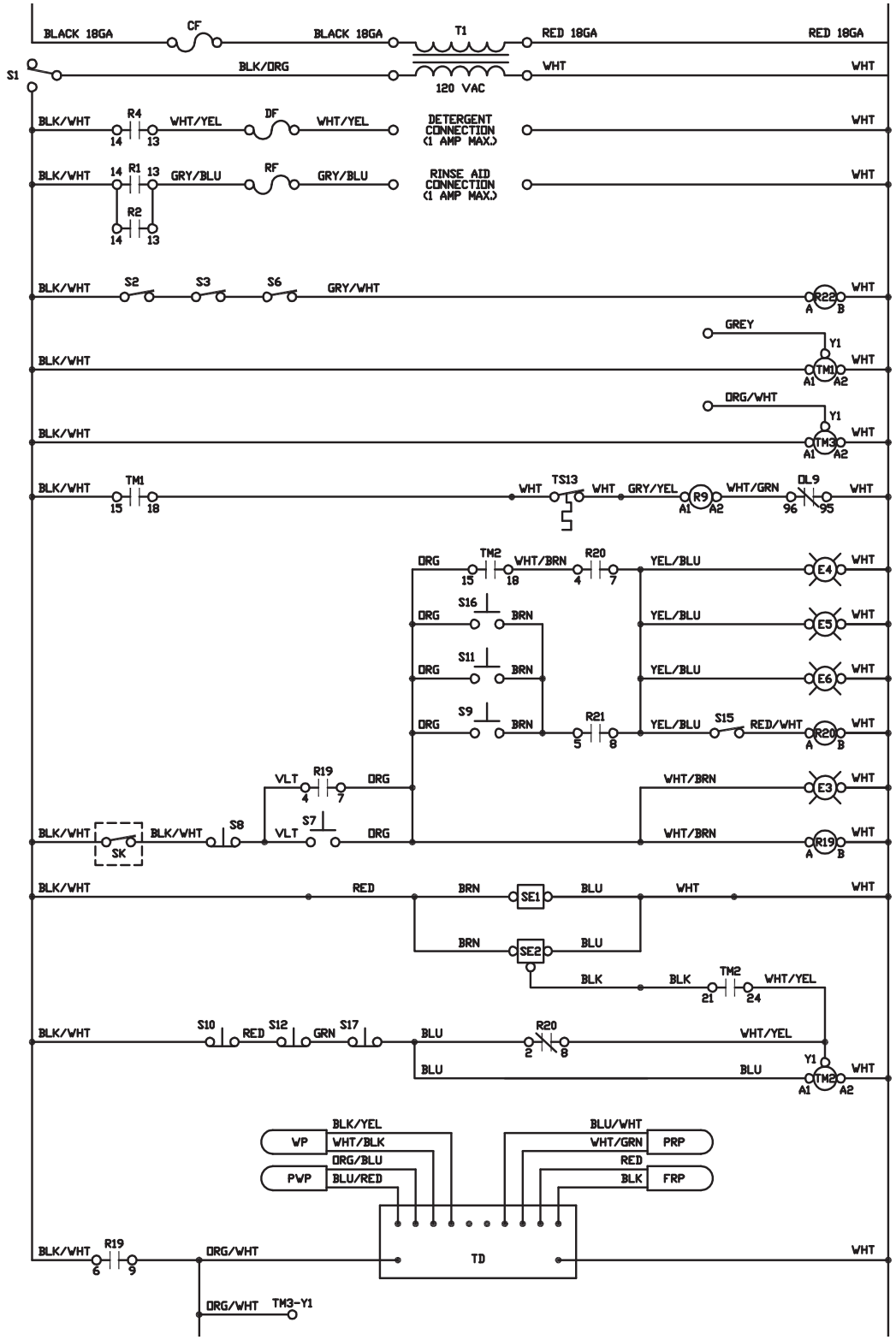
BLACK 18GA
CF
BLACK 18GA
T1
RED 18GA
RED 18GA
S1
BLK/ORG
WHT
WHT
120 VAC
BLK/WHT
R4
14
13
WHT/YEL
DF
WHT/YEL
DETERGENT CONNECTION (1 AMP MAX.)
WHT
BLK/WHT
14
R1
13
GRY/BLU
RF
GRY/BLU
RINSE AID CONNECTION (1 AMP MAX.)
WHT
R2
14
13
BLK/WHT
S2
S3
S6
GRY/WHT
R22
A
B
WHT
GREY
Y1
BLK/WHT
TM1
A1
A2
WHT
ORG/WHT
Y1
BLK/WHT
TM3
A1
A2
WHT
BLK/WHT
TM1
15
18
WHT
TS13
WHT
GRY/YEL
R9
A1
A2
WHT/GRN
DL9
96
95
WHT
ORG
TM2
15
18
WHT/BRN
R20
4
7
YEL/BLU
E4
WHT
ORG
S16
BRN
YEL/BLU
E5
WHT
ORG
S11
BRN
YEL/BLU
E6
WHT
ORG
S9
BRN
R21
5
8
YEL/BLU
S15
RED/WHT
R20
A
B
WHT
VLT
R19
4
7
ORG
WHT/BRN
E3
WHT
BLK/WHT
SK
BLK/WHT
S8
VLT
S7
ORG
WHT/BRN
R19
A
B
WHT
BLK/WHT
RED
BRN
SE1
BLU
WHT
WHT
BRN
SE2
BLU
BLK
BLK
TM2
21
24
WHT/YEL
BLK/WHT
S10
RED
S12
GRN
S17
BLU
R20
2
8
WHT/YEL
BLU
BLU
Y1
TM2
A1
A2
WHT
BLK/YEL
WP
WHT/BLK
ORG/BLU
PWP
BLU/RED
BLU/WHT
WHT/GRN
PRP
RED
BLK
FRP
TD
BLK/WHT
R19
6
9
ORG/WHT
WHT
ORG/WHT
TM3-Y1

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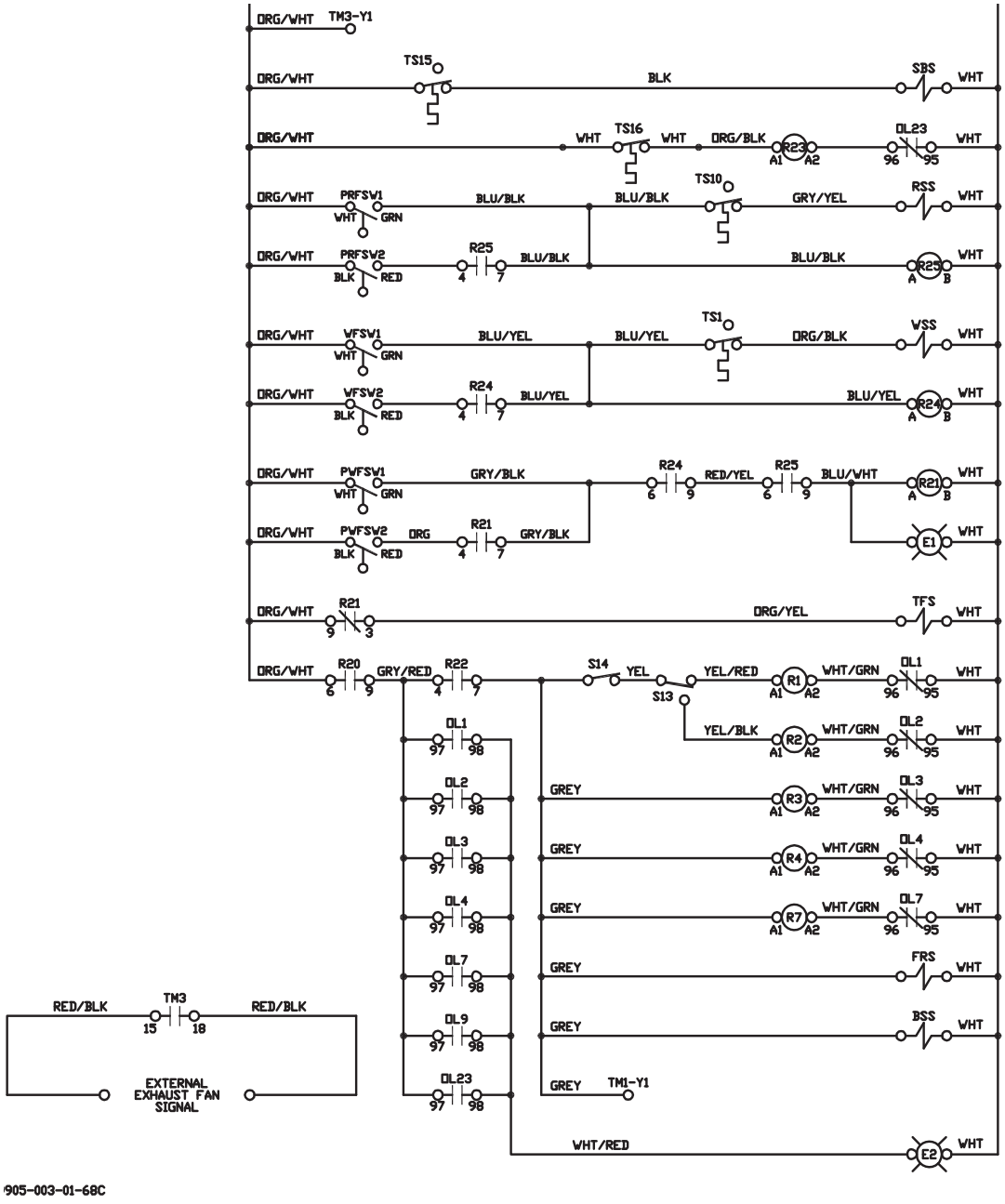


905-003-01-68C

(PUMPED FINAL RINSE)

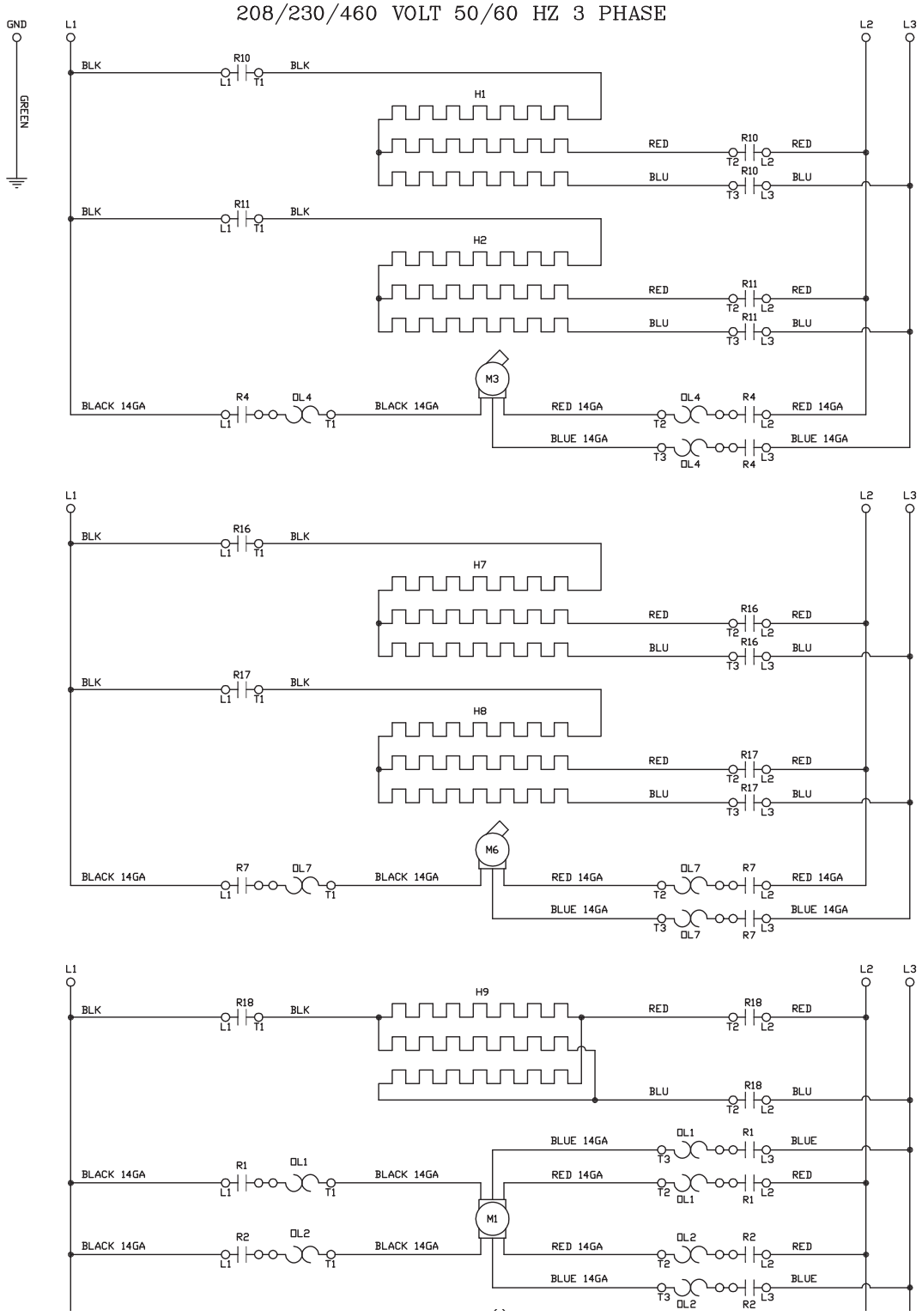
LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
H1	WASH HEATER 1
H2	WASH HEATER 2
H7	RINSE HEATER 1
H8	RINSE HEATER 2
H9	BLOWER HEATER (OPTIONAL)
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M7	FINAL RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R8	FINAL RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R10	WASH HEATER CONTACTOR 1
R11	WASH HEATER CONTACTOR 2
R16	RINSE HEATER CONTACTOR 1
R17	RINSE HEATER CONTACTOR 2
R18	BLOWER HEATER CONTACTOR (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
R26	FINAL RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
SK	KEYED SWITCH (OPTION)
S17	STOP BUTTON 3
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
TS1	WASH REGULATING THERMOSTAT
TS2	WASH HIGH LIMIT THERMOSTAT 1
TS3	WASH HIGH LIMIT THERMOSTAT 2
TS10	RINSE REGULATING THERMOSTAT
TS11	RINSE HIGH LIMIT THERMOSTAT 1
TS12	RINSE HIGH LIMIT THERMOSTAT 2
TS13	INTERNAL BLOWER HIGH LIMIT
TS14	BLOWER HEATER HIGH LIMIT THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
OL1	DRIVE MOTOR OVERLOAD 1
OL2	DRIVE MOTOR OVERLOAD 2
OL3	PREWASH MOTOR OVERLOAD
OL4	WASH MOTOR OVERLOAD
OL7	POWER RINSE MOTOR OVERLOAD
OL8	FINAL RINSE MOTOR OVERLOAD
OL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
OL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
PRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
FRFSW1	FINAL RINSE BOTTOM FLOAT SWITCH
FRFSW2	FINAL RINSE TOP FLOAT SWITCH
T1	CONTROL TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

(CONTINUED)

(PUMPED FINAL RINSE)

JFT
ELECTRICAL DIAGRAM
208/230/460 VOLT 50/60 HZ 3 PHASE



JFT 208-230-460 VOLT/50-60 HZ/3 PHASE

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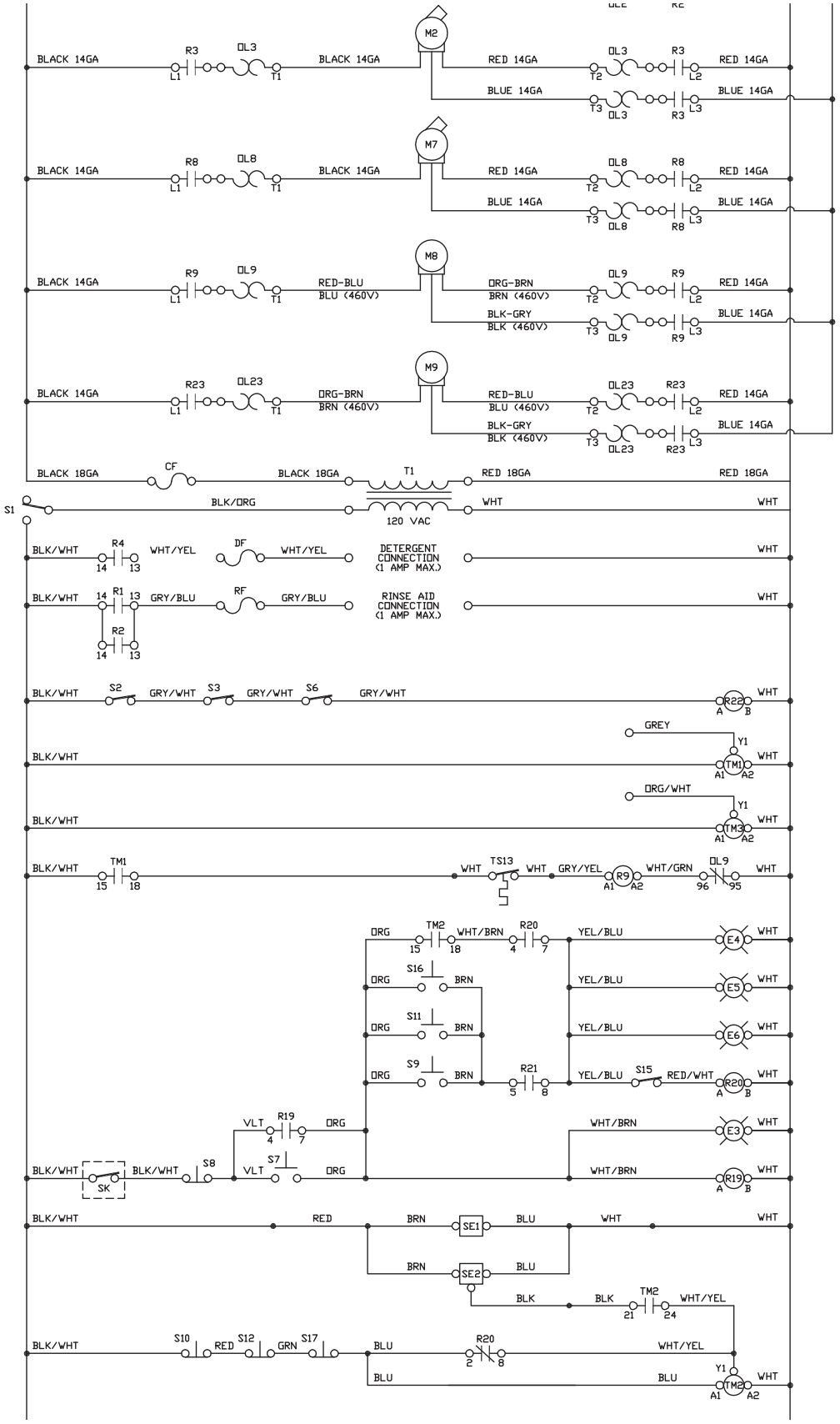
(PUMPED FINAL RINSE)



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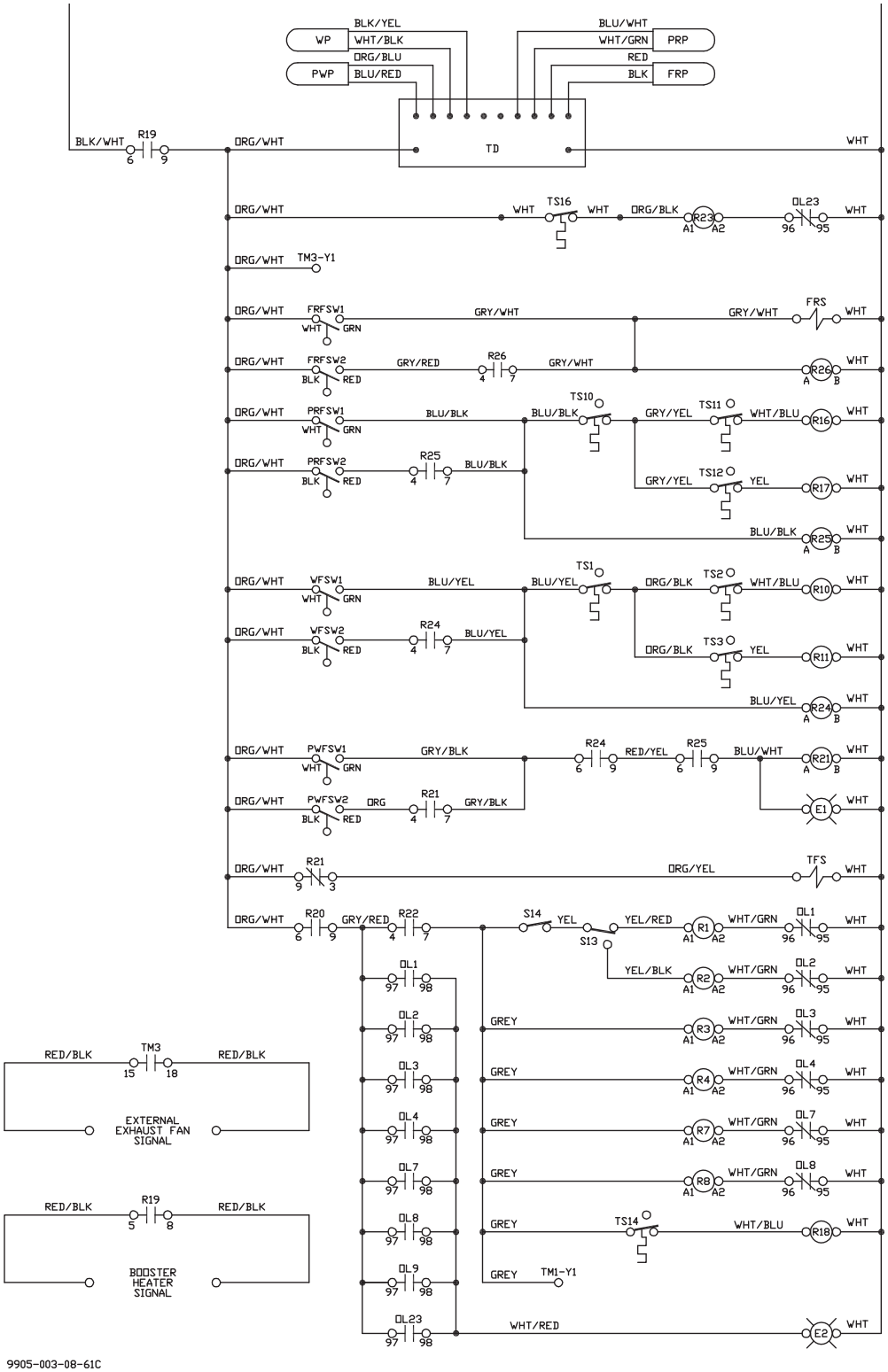
(PUMPED FINAL RINSE)



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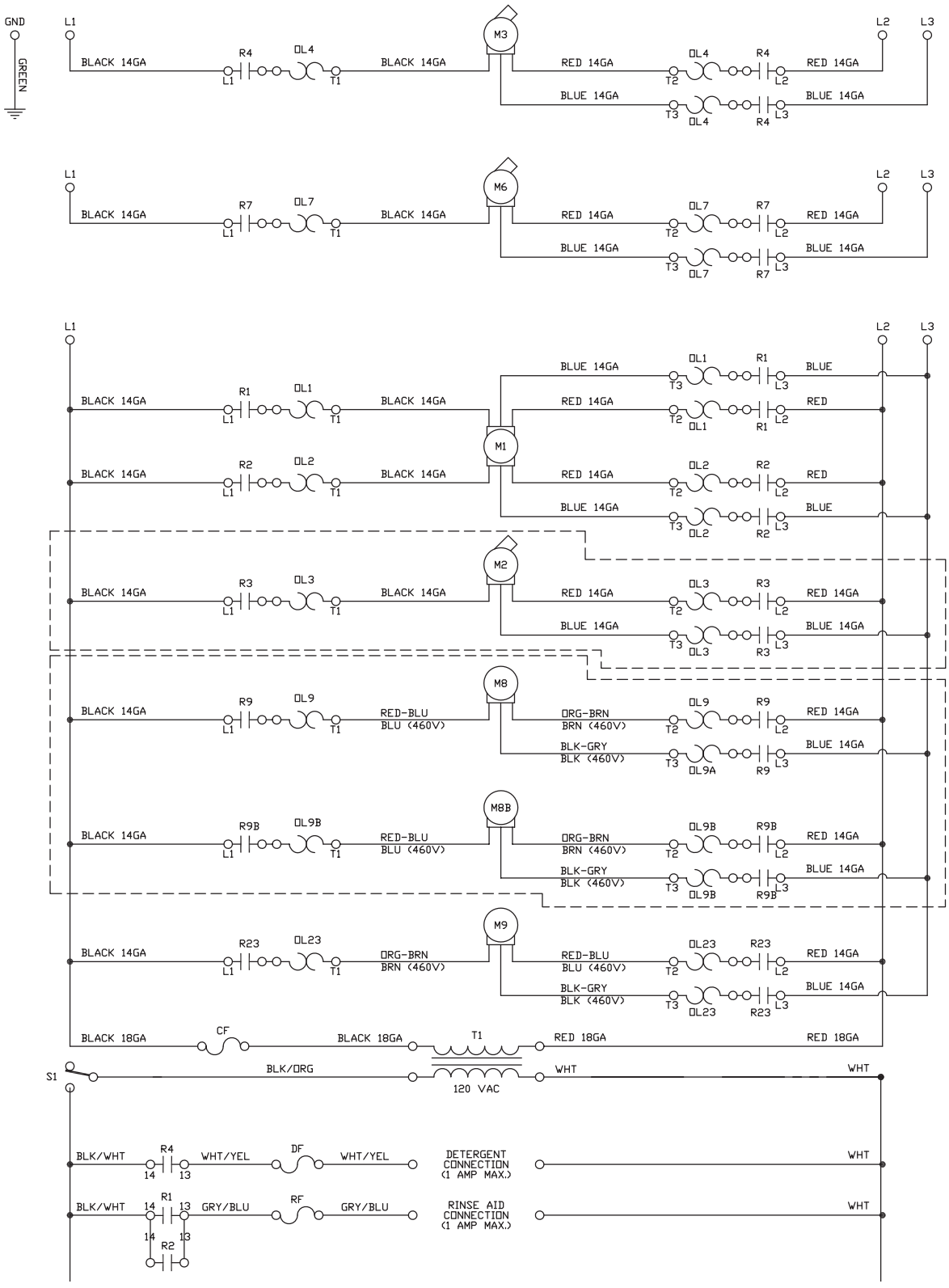
LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
SK	KEYED SWITCH (OPTION)
S17	STOP BUTTON 3
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
SBS	STEAM BOOSTER SOLENOID
RSS	RINSE STEAM SOLENOID
WSS	WASH STEAM SOLENOID
BSS	BLOWER STEAM SOLENOID (OPTIONAL)
TS1	WASH REGULATING THERMOSTAT
TS10	RINSE REGULATING THERMOSTAT
TS13	INTERNAL BLOWER HIGH LIMIT
TS15	STEAM BOOSTER THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
OL1	DRIVE MOTOR OVERLOAD 1
OL2	DRIVE MOTOR OVERLOAD 2
OL3	PREWASH MOTOR OVERLOAD
OL4	WASH MOTOR OVERLOAD
OL7	POWER RINSE MOTOR OVERLOAD
OL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
OL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
RRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

(CONTINUED)

ELECTRICAL DIAGRAM

208–480 VOLT 50/60 HZ 3–PHASE



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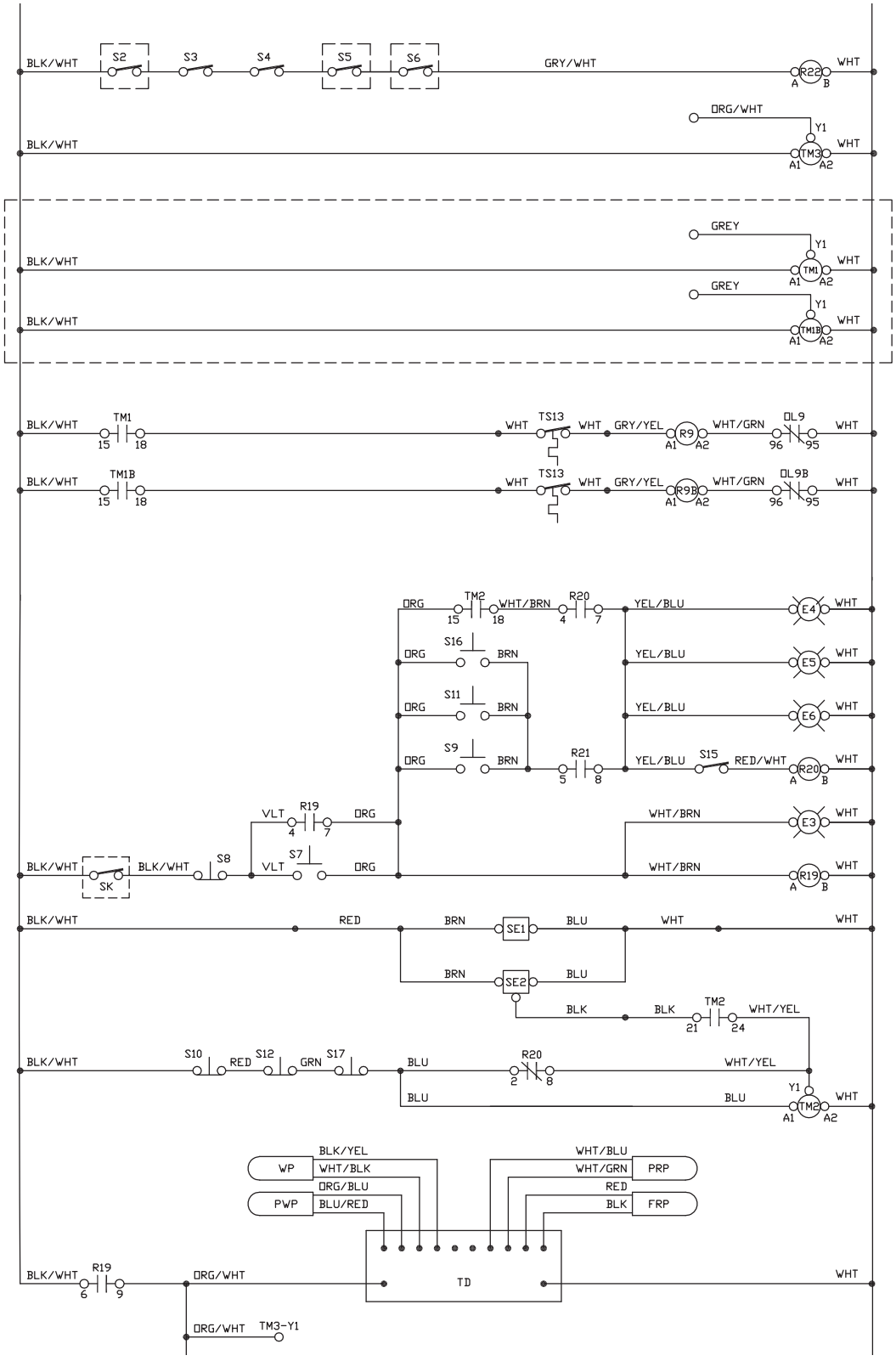
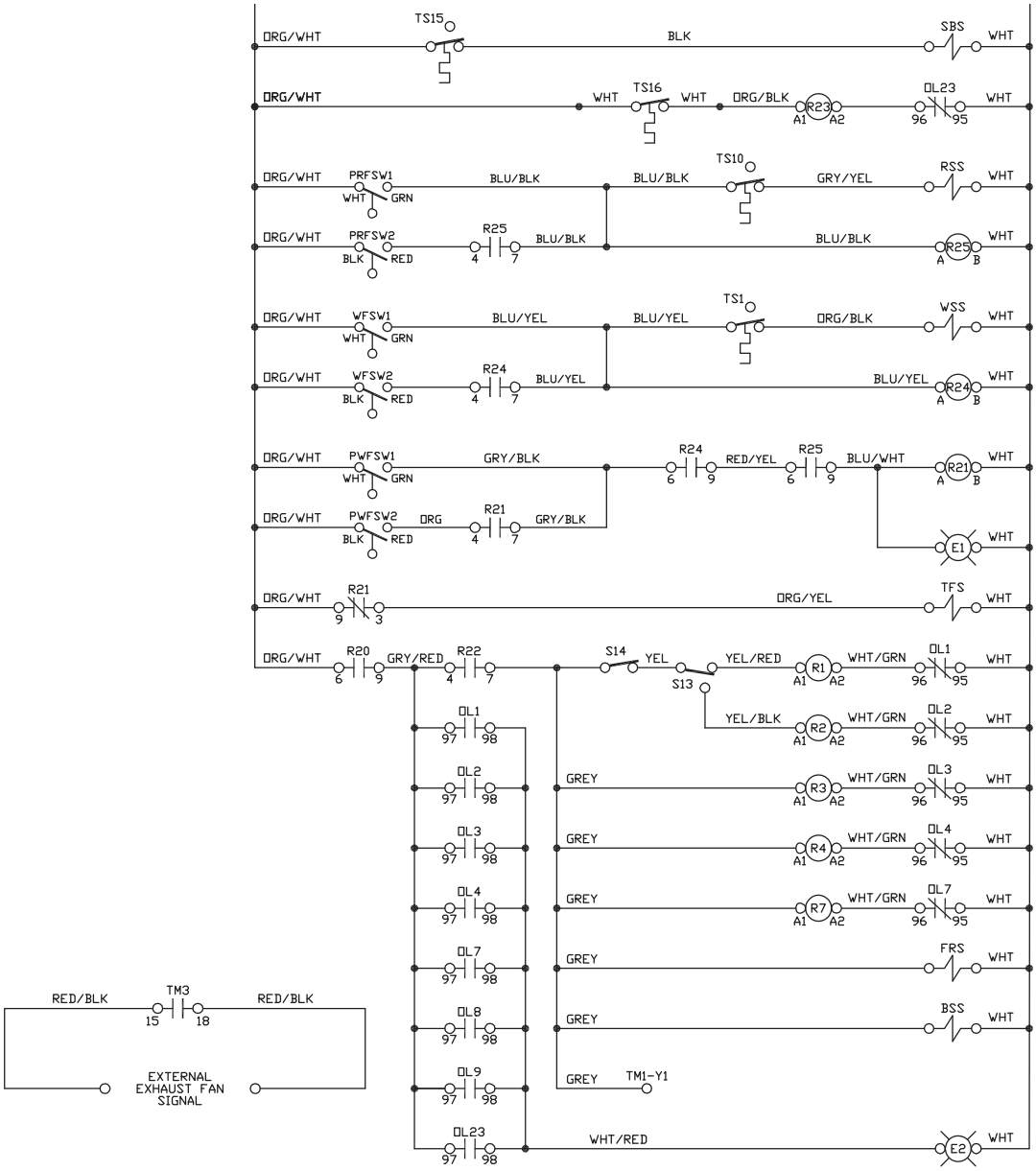

BLK/WHT
S2
S3
S4
S5
S6
GRY/WHT
R22
WHT
ORG/WHT
Y1
TM3
GREY
TM1
TM1B
TM1
TS13
GRY/YEL
R9
WHT/GRN
OL9
R9B
OL9B
TM2
WHT/BRN
R20
YEL/BLU
E4
E5
E6
S16
S11
S9
BRN
R21
S15
RED/WHT
E3
R19
VLT
S7
S8
SK
RED
SE1
SE2
BLU
BLK
WHT/YEL
S10
S12
S17
GRN
BLK/YEL
WHT/BLK
ORG/BLU
BLU/RED
WHT/BLU
WHT/GRN
RED
PRP
FRP
WP
PWP
TD
TM3-Y1

(CONTINUED)

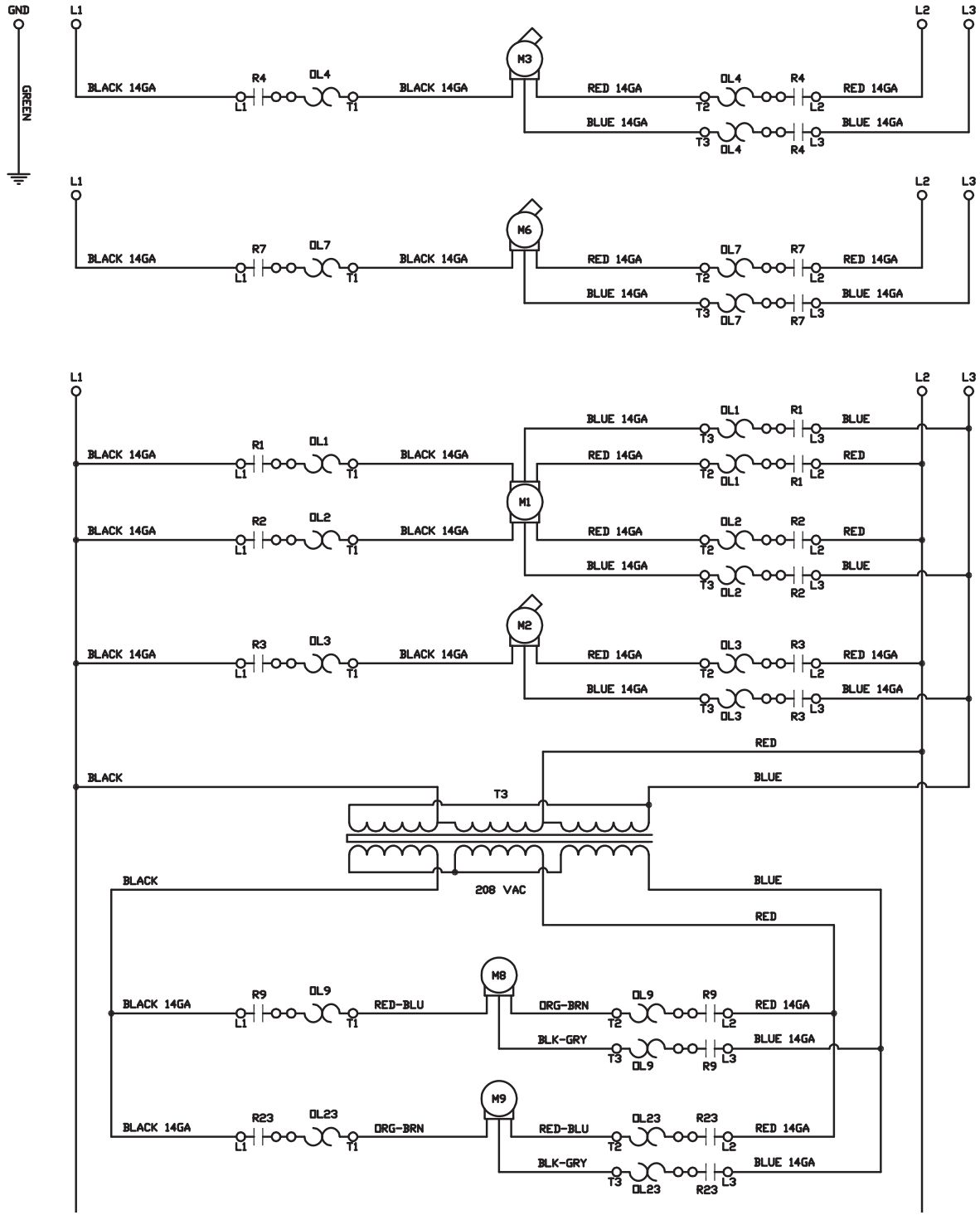

TS15
ORG/WHT
BLK
SBS
WHT
ORG/WHT
WHT
TS16
WHT
ORG/BLK
R23
A1
A2
DL23
96
95
WHT
ORG/WHT
PRFSW1
WHT
GRN
BLU/BLK
BLU/BLK
TS10
GRY/YEL
RSS
WHT
ORG/WHT
PRFSW2
BLK
RED
R25
4
7
BLU/BLK
BLU/BLK
R25
A
B
WHT
ORG/WHT
WFSW1
WHT
GRN
BLU/YEL
BLU/YEL
TS1
ORG/BLK
WSS
WHT
ORG/WHT
WFSW2
BLK
RED
R24
4
7
BLU/YEL
BLU/YEL
R24
A
B
WHT
ORG/WHT
PWFSW1
WHT
GRN
GRY/BLK
R24
6
9
RED/YEL
R25
6
9
BLU/WHT
R21
A
B
WHT
ORG/WHT
PWFSW2
BLK
RED
ORG
R21
4
7
GRY/BLK
E1
WHT
ORG/WHT
R21
9
3
ORG/YEL
TFS
WHT
ORG/WHT
R20
6
9
GRY/RED
R22
4
7
S14
YEL
S13
YEL/RED
R1
A1
A2
WHT/GRN
DL1
96
95
WHT
YEL/BLK
R2
WHT/GRN
DL2
WHT
DL1
DL2
DL3
DL4
DL7
DL8
DL9
DL23
97
98
GREY
R3
WHT/GRN
DL3
R4
DL4
R7
DL7
FRS
BSS
TM1-Y1
WHT/RED
E2
RED/BLK
TM3
15
18
RED/BLK
EXTERNAL
EXHAUST FAN
SIGNAL

LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
SK	KEYED SWITCH (OPTION)
S17	STOP BUTTON 3
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
SBS	STEAM BOOSTER SOLENOID
RSS	RINSE STEAM SOLENOID
WSS	WASH STEAM SOLENOID
BSS	BLOWER STEAM SOLENOID (OPTIONAL)
TS1	WASH REGULATING THERMOSTAT
TS10	RINSE REGULATING THERMOSTAT
TS13	INTERNAL BLOWER HIGH LIMIT
TS15	STEAM BOOSTER THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
OL1	DRIVE MOTOR OVERLOAD 1
OL2	DRIVE MOTOR OVERLOAD 2
OL3	PREWASH MOTOR OVERLOAD
OL4	WASH MOTOR OVERLOAD
OL7	POWER RINSE MOTOR OVERLOAD
OL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
OL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
PRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
T3	600-208V TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

(CONTINUED)

JFT–S
ELECTRICAL DIAGRAM
600 VOLT 60 HZ 3 PHASE



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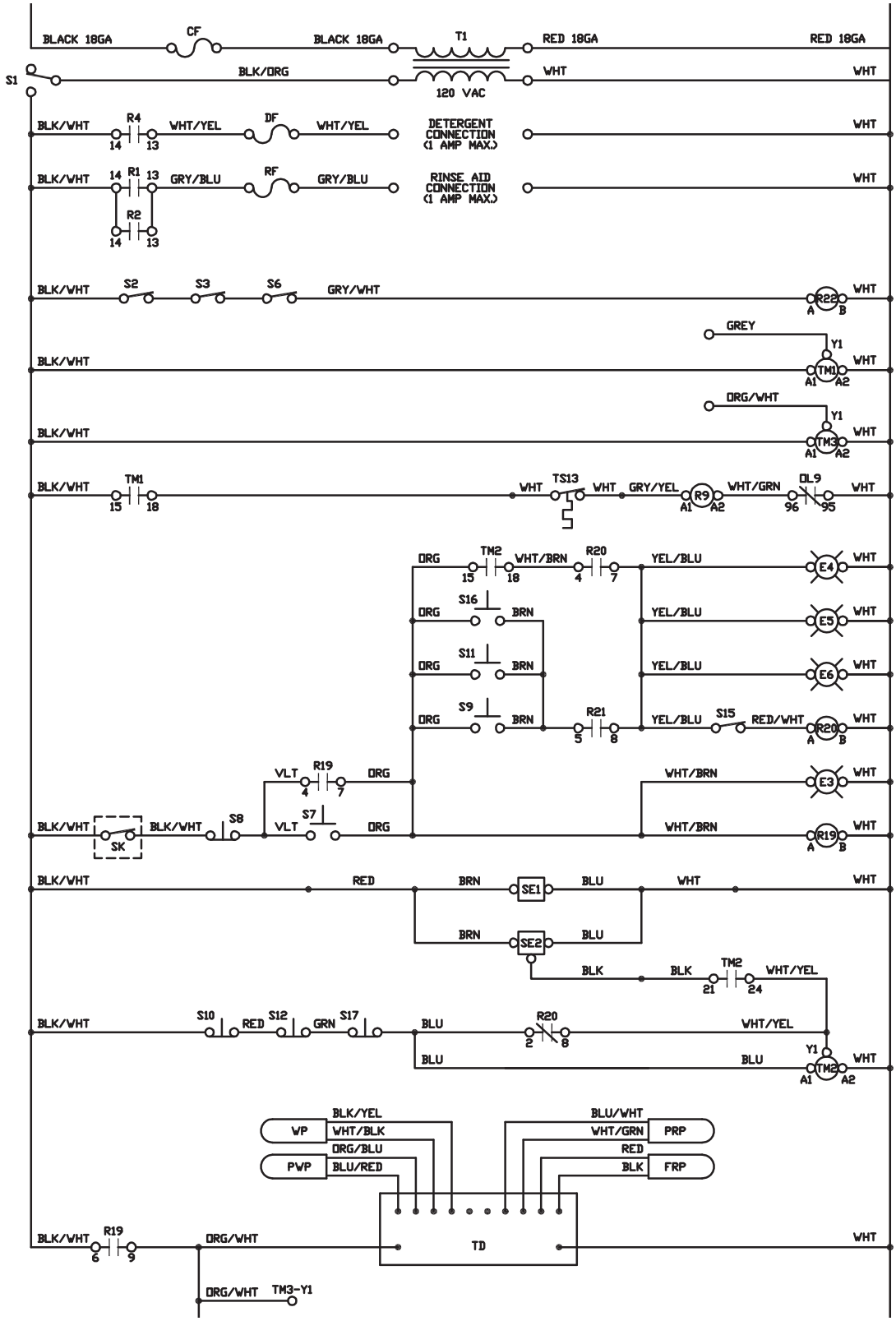
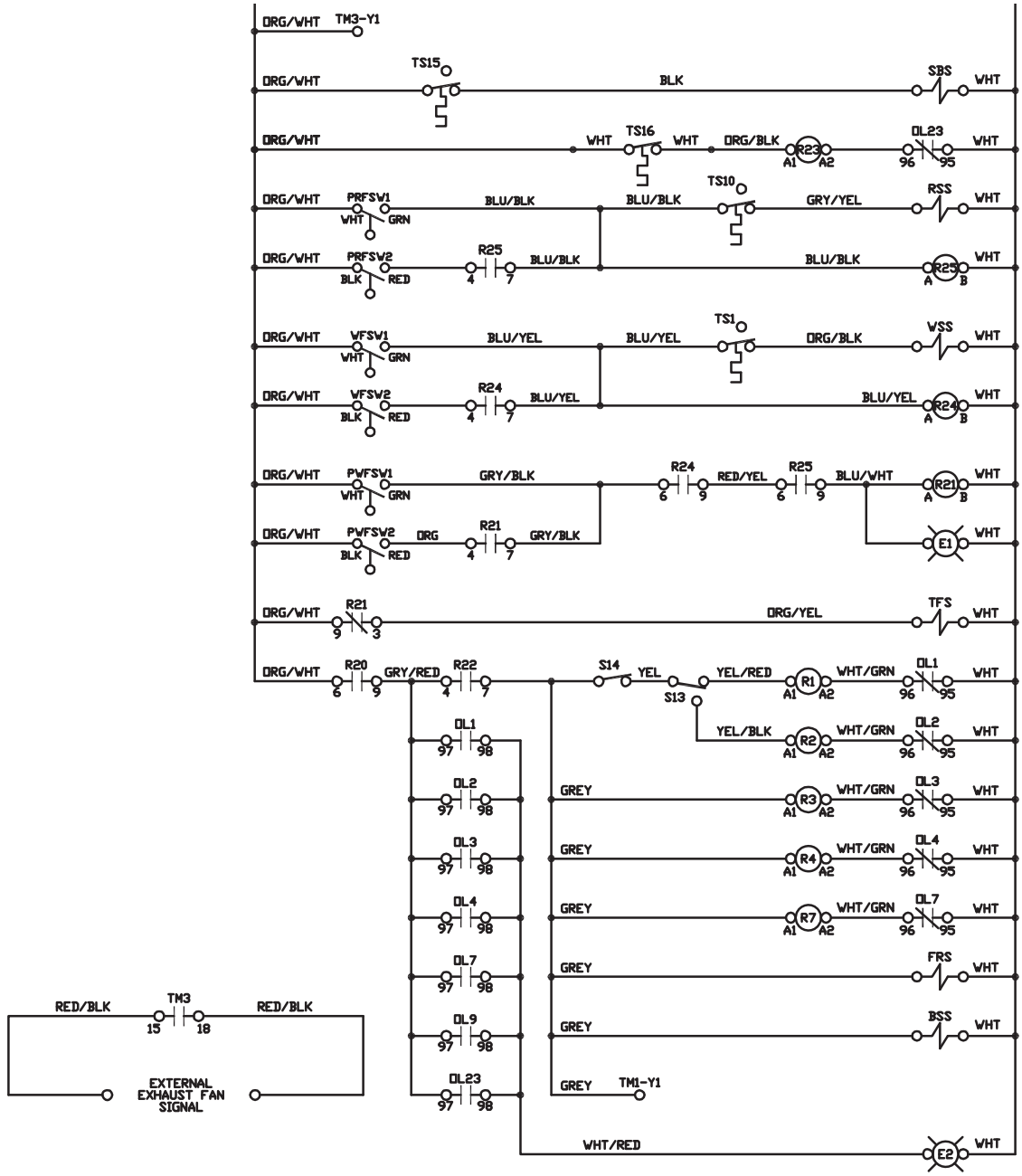

BLACK 18GA
CF
BLACK 18GA
T1
RED 18GA
RED 18GA
S1
BLK/ORG
WHT
WHT
120 VAC
BLK/WHT
R4
14
13
WHT/YEL
DF
WHT/YEL
DETERGENT CONNECTION (1 AMP MAX.)
WHT
BLK/WHT
14
R1
13
GRY/BLU
RF
GRY/BLU
RINSE AID CONNECTION (1 AMP MAX.)
WHT
R2
14
13
BLK/WHT
S2
S3
S6
GRY/WHT
R22
A
B
WHT
GREY
Y1
BLK/WHT
TM1
A1
A2
WHT
ORG/WHT
Y1
BLK/WHT
TM3
A1
A2
WHT
BLK/WHT
TM1
15
18
WHT
TS13
WHT
GRY/YEL
R9
A1
A2
WHT/GRN
OL9
96
95
WHT
ORG
TM2
15
18
WHT/BRN
R20
4
7
YEL/BLU
E4
WHT
ORG
S16
BRN
YEL/BLU
E5
WHT
ORG
S11
BRN
YEL/BLU
E6
WHT
ORG
S9
BRN
R21
5
8
YEL/BLU
S15
RED/WHT
R20
A
B
WHT
VLT
R19
4
7
ORG
WHT/BRN
E3
WHT
BLK/WHT
SK
BLK/WHT
S8
VLT
S7
ORG
WHT/BRN
R19
A
B
WHT
BLK/WHT
RED
BRN
SE1
BLU
WHT
WHT
BRN
SE2
BLU
BLK
BLK
TM2
21
24
WHT/YEL
BLK/WHT
S10
RED
S12
GRN
S17
BLU
R20
2
8
WHT/YEL
BLU
BLU
Y1
TM2
A1
A2
WHT
BLK/YEL
WP
WHT/BLK
ORG/BLU
PWP
BLU/RED
BLU/WHT
WHT/GRN
PRP
RED
BLK
FRP
TD
BLK/WHT
R19
6
9
ORG/WHT
WHT
ORG/WHT
TM3-Y1

(CONTINUED)



9905-003-01-68C

(PUMPED FINAL RINSE)

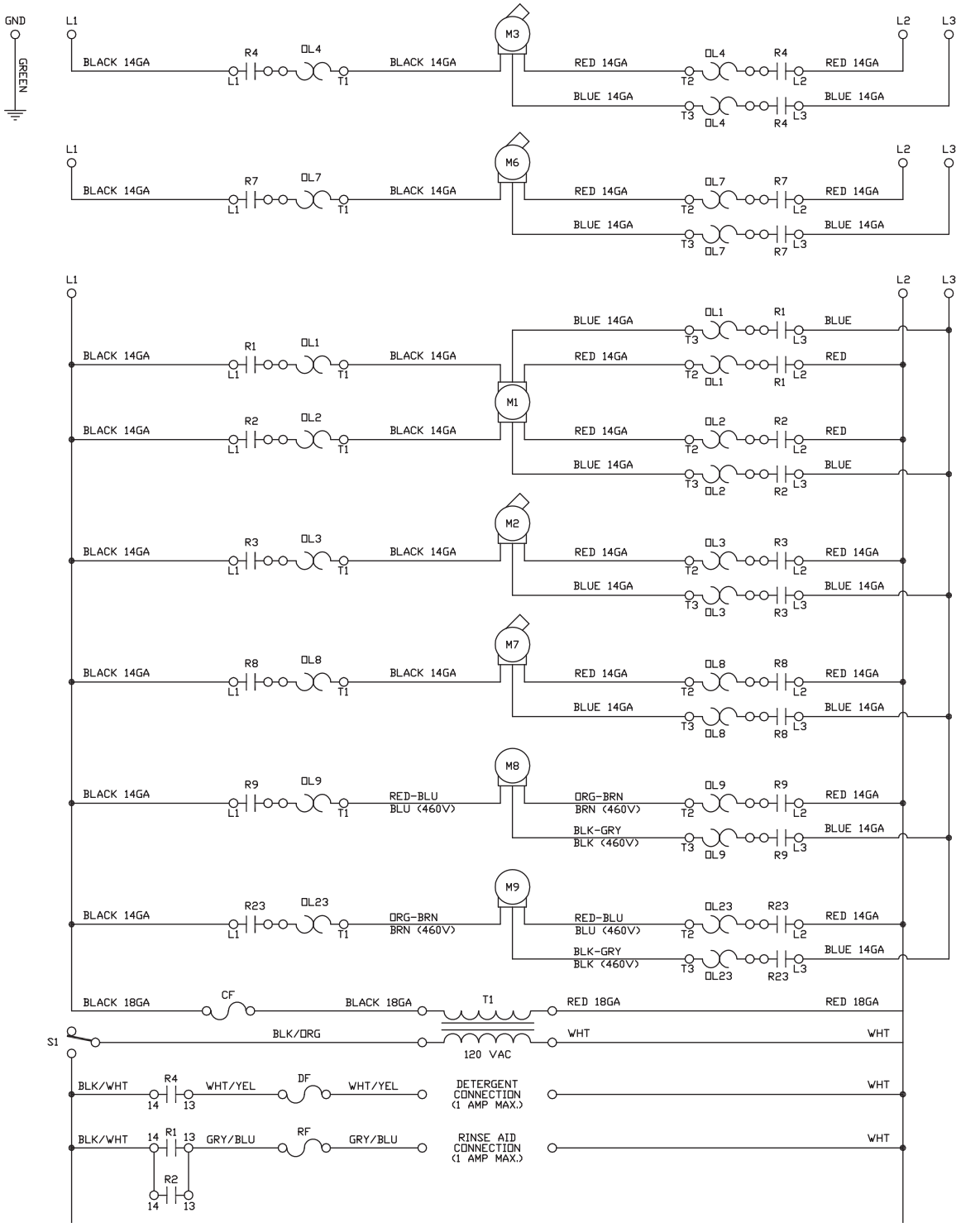
LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M7	FINAL RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R8	FINAL RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
R26	FINAL RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
SK	KEYED SWITCH (OPTION)
S17	STOP BUTTON 3
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
SBS	STEAM BOOSTER SOLENOID
RSS	RINSE STEAM SOLENOID
WSS	WASH STEAM SOLENOID
BSS	BLOWER STEAM SOLENOID (OPTIONAL)
TS1	WASH REGULATING THERMOSTAT
TS10	RINSE REGULATING THERMOSTAT
TS13	INTERNAL BLOWER HIGH LIMIT
TS15	STEAM BOOSTER THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
OL1	DRIVE MOTOR OVERLOAD 1
OL2	DRIVE MOTOR OVERLOAD 2
OL3	PREWASH MOTOR OVERLOAD
OL4	WASH MOTOR OVERLOAD
OL7	POWER RINSE MOTOR OVERLOAD
OL8	FINAL RINSE MOTOR OVERLOAD
OL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
OL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
RRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
FRFSW1	FINAL RINSE BOTTOM FLOAT SWITCH
FRFSW2	FINAL RINSE TOP FLOAT SWITCH
T1	CONTROL TRANSFORMER
CF	CONTROL FUSE
DF	DETERGENT FUSE
RF	RINSE AID FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

(CONTINUED)

(PUMPED FINAL RINSE)

JFT–S
ELECTRICAL DIAGRAM
208/230/460 VOLT 50/60 HZ 3 PHASE



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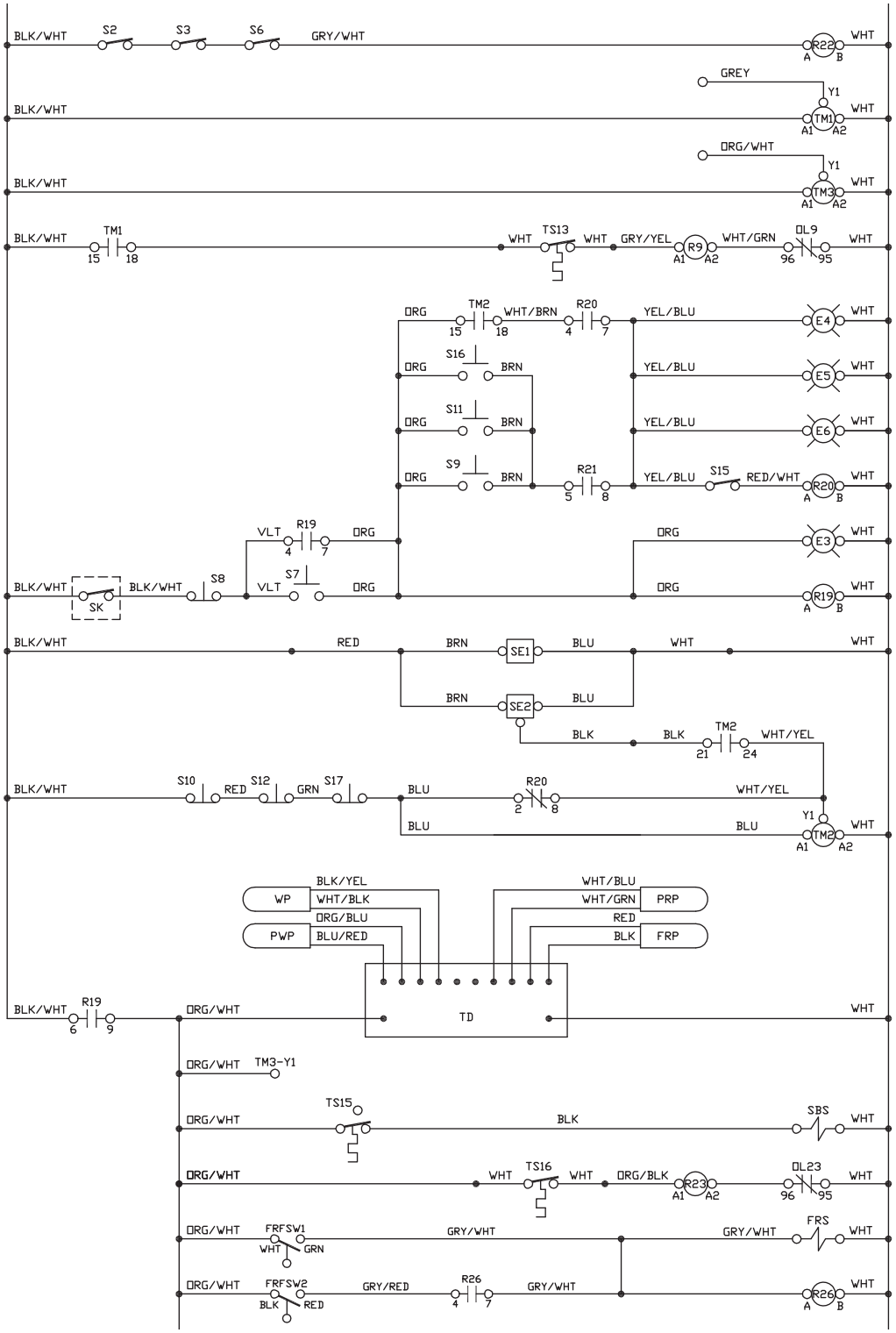
(PUMPED FINAL RINSE)



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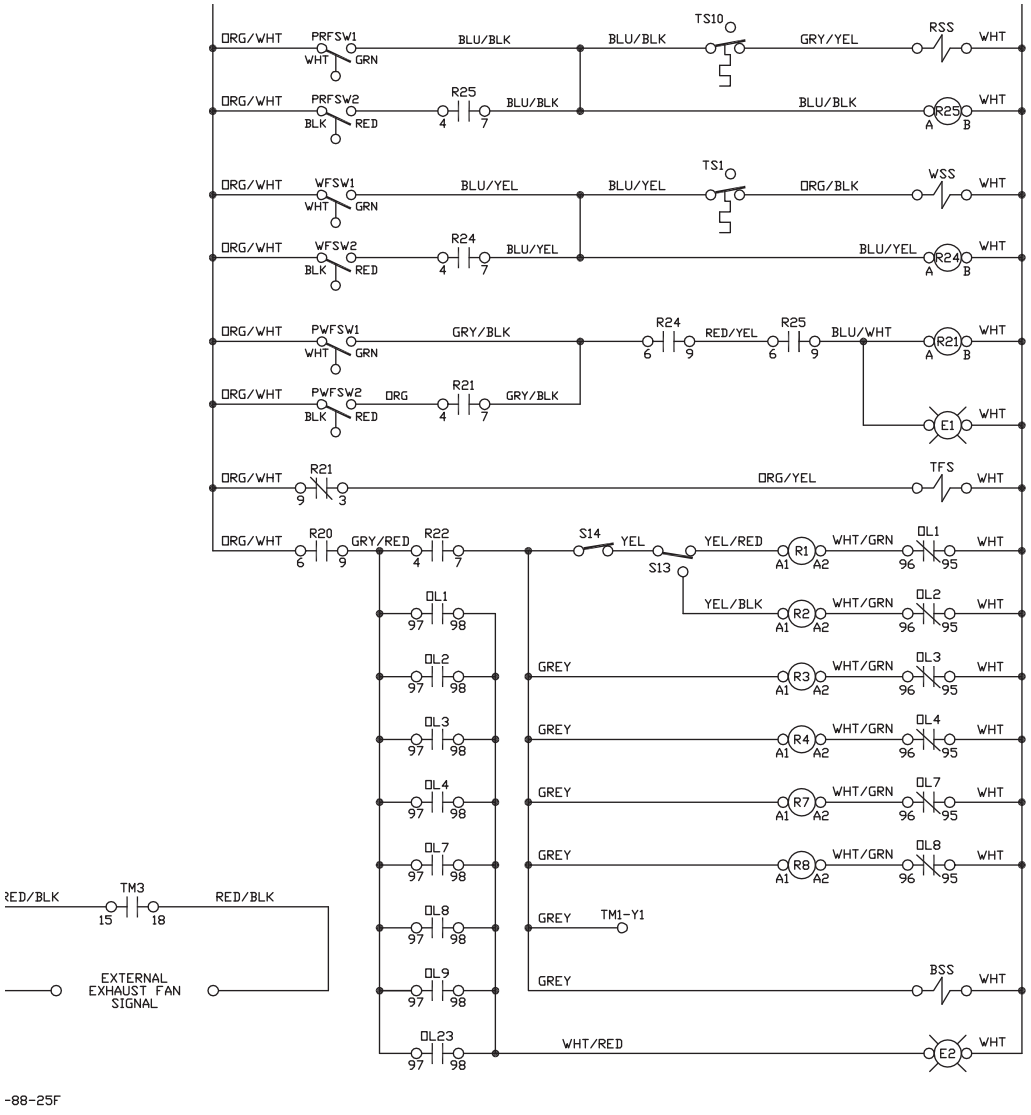
(PUMPED FINAL RINSE)

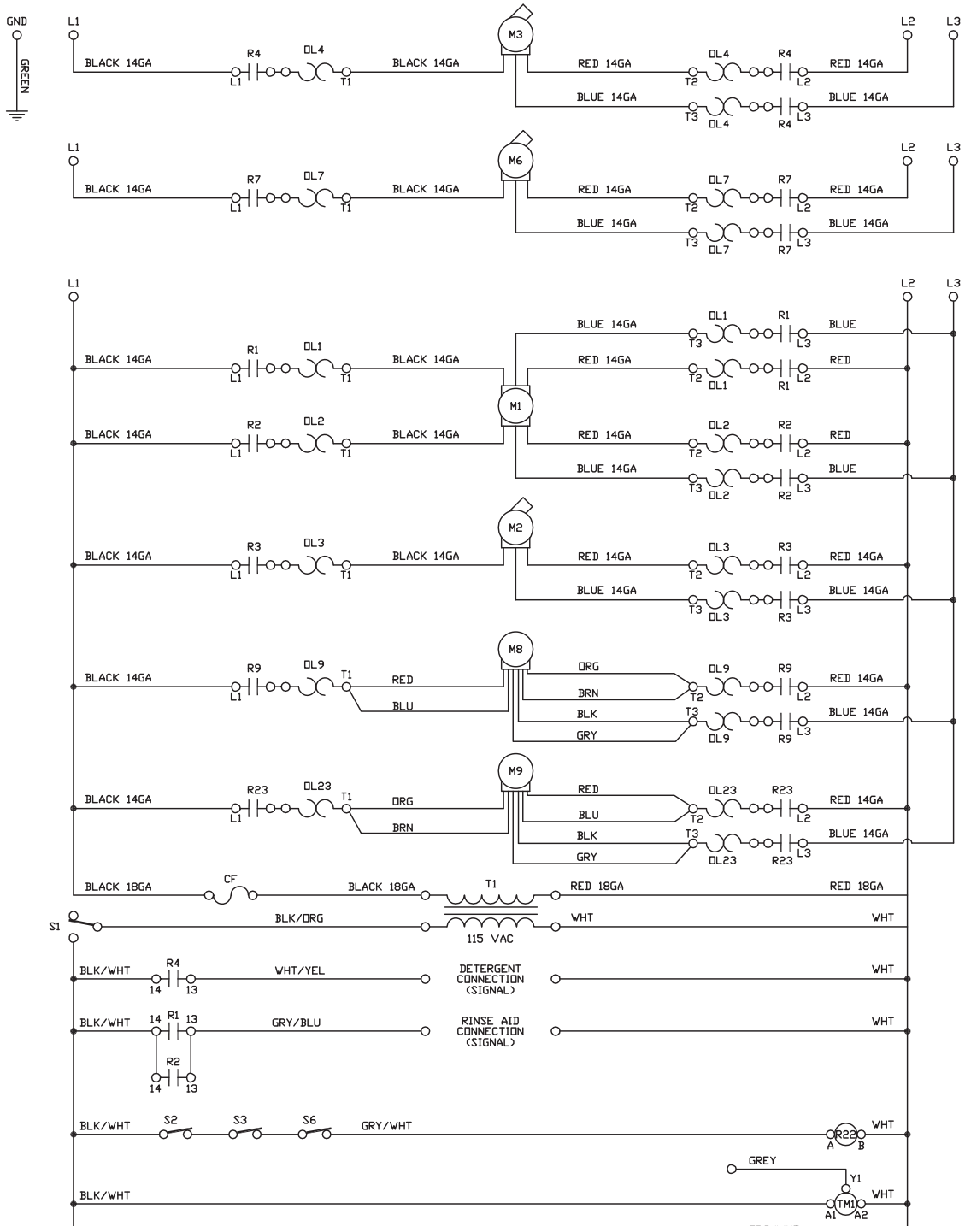


LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
M1	DRIVE MOTOR
M2	PREWASH PUMP MOTOR
M3	WASH PUMP MOTOR
M6	POWER RINSE PUMP MOTOR
M8	BLOWER MOTOR (OPTIONAL)
M9	EXHAUST FAN MOTOR
R1	DRIVE MOTOR CONTACTOR 1
R2	DRIVE MOTOR CONTACTOR 2
R3	PREWASH PUMP MOTOR CONTACTOR
R4	WASH PUMP MOTOR CONTACTOR
R7	POWER RINSE PUMP MOTOR CONTACTOR
R9	BLOWER MOTOR CONTACTOR (OPTIONAL)
R19	ON RELAY
R20	START RELAY
R21	MACHINE FILL RELAY
R22	DOOR RELAY
R23	EXHAUST FAN MOTOR CONTACTOR
R24	WASH TANK FILL RELAY
R25	POWER RINSE TANK FILL RELAY
S1	EMERGENCY STOP BUTTON
S2	DOOR SWITCH 1
S3	DOOR SWITCH 2
S6	DOOR SWITCH 5
S7	ON BUTTON
S8	OFF BUTTON
S9	START BUTTON 1
S10	STOP BUTTON 1
S11	START BUTTON 2
S12	STOP BUTTON 2
S13	DRIVE MOTOR SELECTOR SWITCH
S14	CONVEYOR JAM SWITCH
S15	DRIVE MOTOR JAM SWITCH
S16	START BUTTON 3
SK	KEYED SWITCH (OPTION)
S17	STOP BUTTON 3
FRS	FINAL RINSE SOLENOID
TFS	TANK FILL SOLENOID
SBS	STEAM BOOSTER SOLENOID
RSS	RINSE STEAM SOLENOID
WSS	WASH STEAM SOLENOID
BSS	BLOWER STEAM SOLENOID (OPTIONAL)
TS1	WASH REGULATING THERMOSTAT
TS10	RINSE REGULATING THERMOSTAT
TS13	INTERNAL BLOWER HIGH LIMIT
TS15	STEAM BOOSTER THERMOSTAT
TS16	INTERNAL EXHAUST FAN HIGH LIMIT
OL1	DRIVE MOTOR OVERLOAD 1
OL2	DRIVE MOTOR OVERLOAD 2
OL3	PREWASH MOTOR OVERLOAD
OL4	WASH MOTOR OVERLOAD
OL7	POWER RINSE MOTOR OVERLOAD
OL9	BLOWER MOTOR OVERLOAD (OPTIONAL)
OL23	EXHAUST FAN MOTOR OVERLOAD
E1	TANK FILLED LIGHT
E2	MOTOR FAULT LIGHT
E3	ON LIGHT
E4	START LIGHT 1
E5	START LIGHT 2
E6	START LIGHT 3
PWP	PREWASH PROBE
WP	WASH PROBE
RRP	POWER RINSE PROBE
FRP	FINAL RINSE PROBE
TD	TEMPERATURE DISPLAY
PWFSW1	PREWASH TOP FLOAT SWITCH
PWFSW2	PREWASH BOTTOM FLOAT SWITCH
WFSW1	WASH TOP FLOAT SWITCH
WFSW2	WASH BOTTOM FLOAT SWITCH
PRFSW1	POWER RINSE TOP FLOAT SWITCH
PRFSW2	POWER RINSE BOTTOM FLOAT SWITCH
T1	CONTROL TRANSFORMER
CF	CONTROL FUSE
TM1	BLOWER TIMER (OPTIONAL)
TM2	AUTO SHUTOFF TIMER
TM3	EXTERNAL EXHAUST FAN TIMER (OPTIONAL)
SE1	SENSOR - EMITTER
SE2	SENSOR - RECEIVER

(CONTINUED)

JFT–S
ELECTRICAL DIAGRAM
200 VOLT 50/60 HZ 3 PHASE



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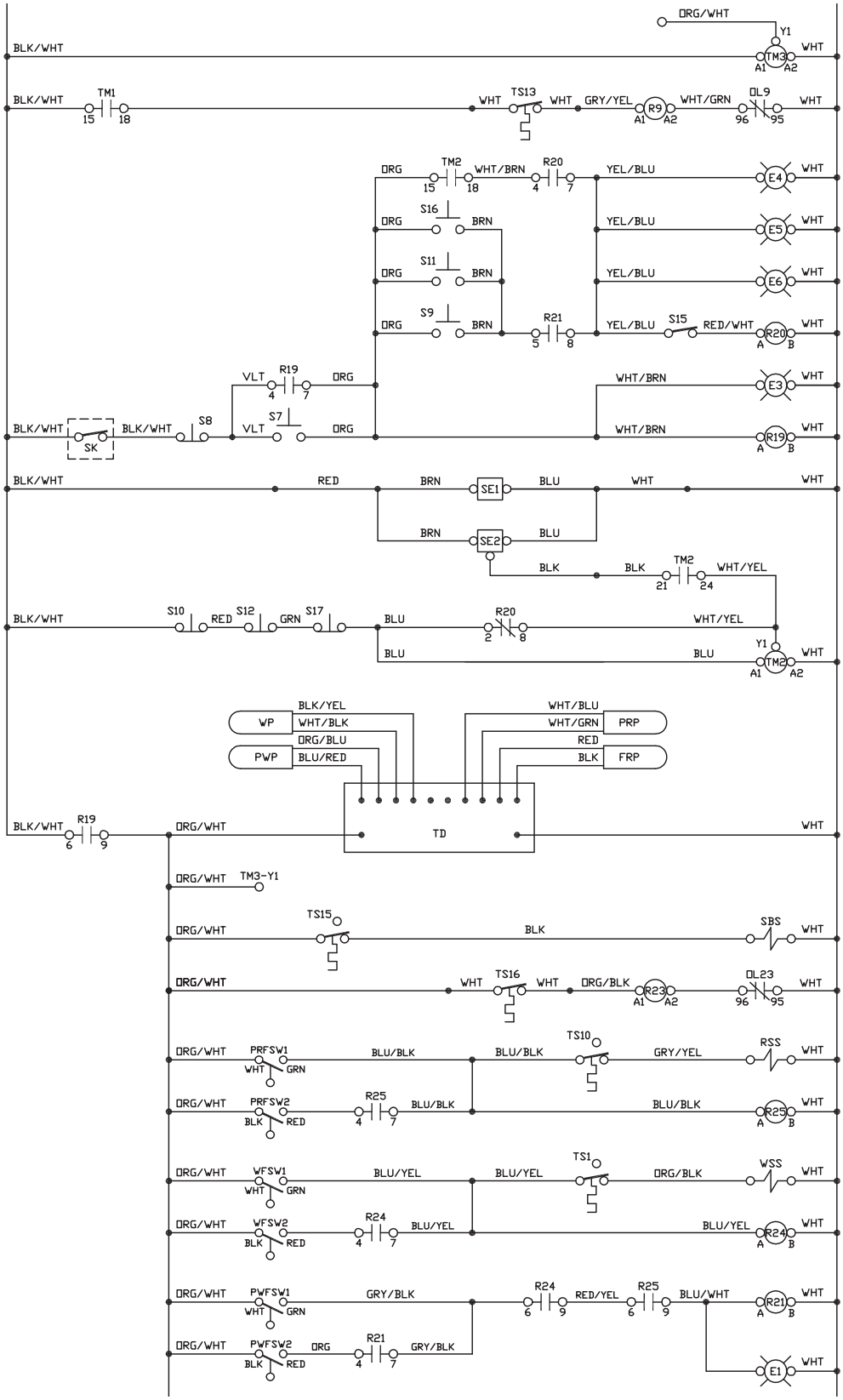
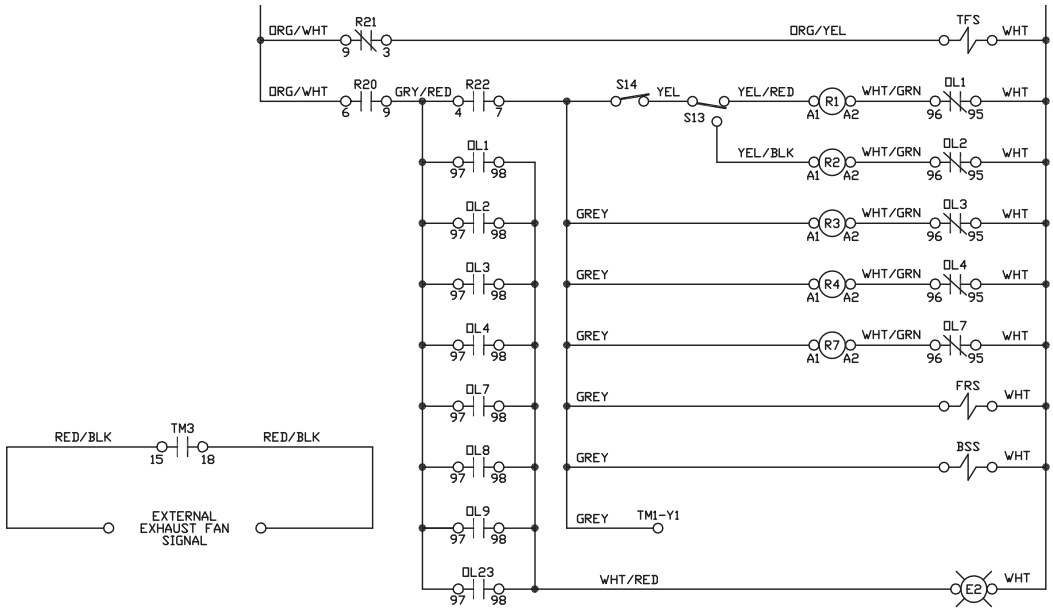

ORG/WHT
Y1
BLK/WHT
WHT
TM3
A1
A2
BLK/WHT
TM1
15
18
WHT
TS13
WHT
GRY/YEL
R9
A1
A2
WHT/GRN
DL9
96
95
WHT
ORG
TM2
15
18
WHT/BRN
R20
4
7
YEL/BLU
E4
WHT
S16
ORG
BRN
YEL/BLU
E5
WHT
S11
ORG
BRN
YEL/BLU
E6
WHT
S9
ORG
BRN
R21
5
8
YEL/BLU
S15
RED/WHT
R20
A
B
WHT
VLT
R19
4
7
ORG
WHT/BRN
E3
WHT
BLK/WHT
SK
BLK/WHT
S8
S7
VLT
ORG
WHT/BRN
R19
A
B
WHT
BLK/WHT
RED
BRN
SE1
BLU
WHT
WHT
BRN
SE2
BLU
BLK
BLK
TM2
21
24
WHT/YEL
BLK/WHT
S10
RED
S12
GRN
S17
BLU
R20
2
8
WHT/YEL
BLU
BLU
Y1
TM2
A1
A2
WHT
BLK/YEL
WP
WHT/BLK
WHT/BLU
WHT/GRN
PRP
ORG/BLU
PWP
BLU/RED
RED
BLK
FRP
TD
BLK/WHT
R19
6
9
ORG/WHT
WHT
ORG/WHT
TM3-Y1
ORG/WHT
TS15
BLK
SBS
WHT
ORG/WHT
WHT
TS16
WHT
ORG/BLK
R23
A1
A2
DL23
96
95
WHT
ORG/WHT
PRFSW1
WHT
GRN
BLU/BLK
BLU/BLK
TS10
GRY/YEL
RSS
WHT
ORG/WHT
PRFSW2
BLK
RED
R25
4
7
BLU/BLK
BLU/BLK
R25
A
B
WHT
ORG/WHT
WFSW1
WHT
GRN
BLU/YEL
BLU/YEL
TS1
ORG/BLK
WSS
WHT
ORG/WHT
WFSW2
BLK
RED
R24
4
7
BLU/YEL
BLU/YEL
R24
A
B
WHT
ORG/WHT
PWFSW1
WHT
GRN
GRY/BLK
R24
6
9
RED/YEL
R25
6
9
BLU/WHT
R21
A
B
WHT
ORG/WHT
PWFSW2
BLK
RED
ORG
R21
4
7
GRY/BLK
E1
WHT

(CONTINUED)



9905-003-53-66A

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